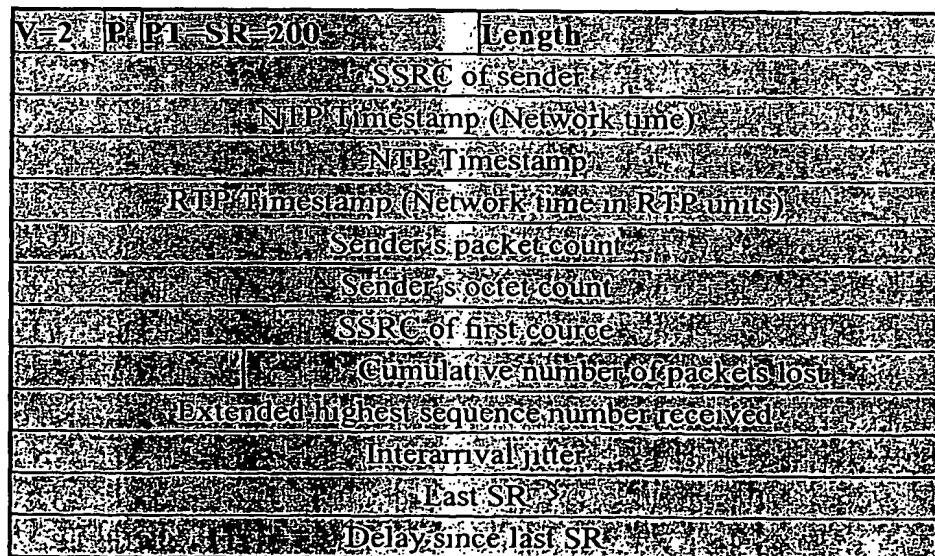
**Fig. 1****Fig. 4**

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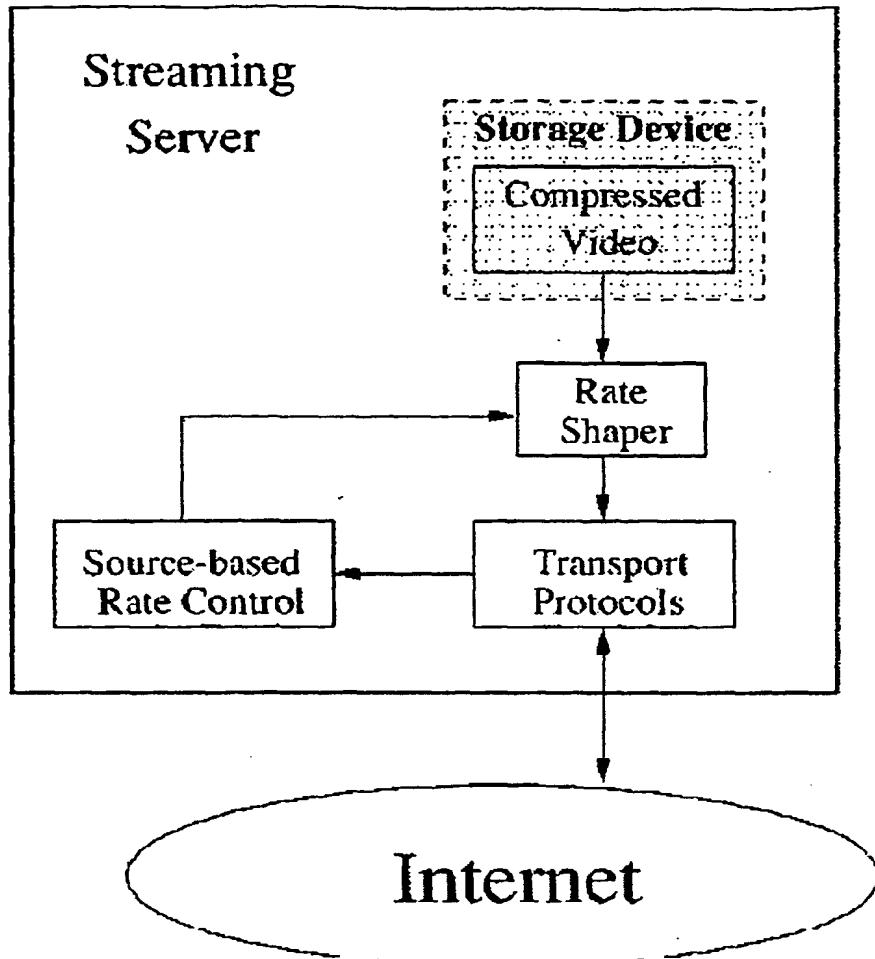


Fig. 2

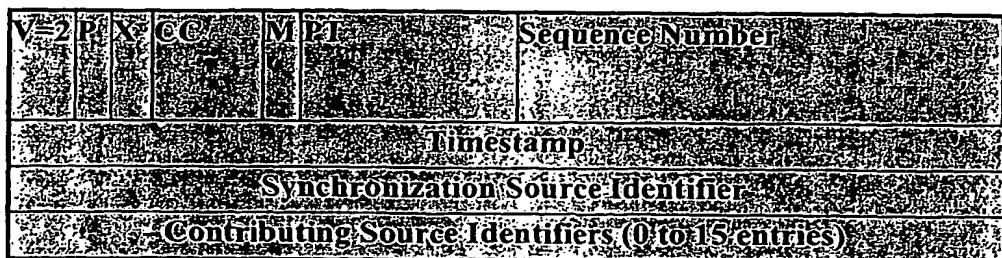


Fig. 3

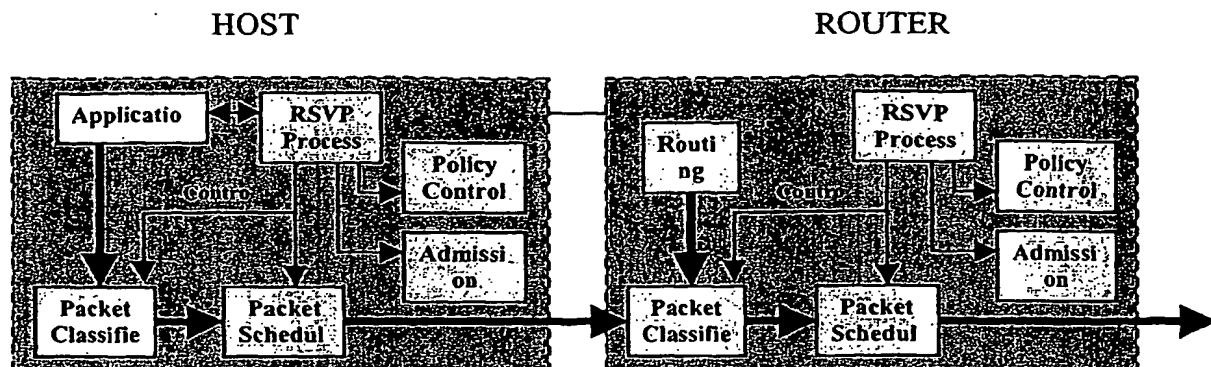


Fig. 5

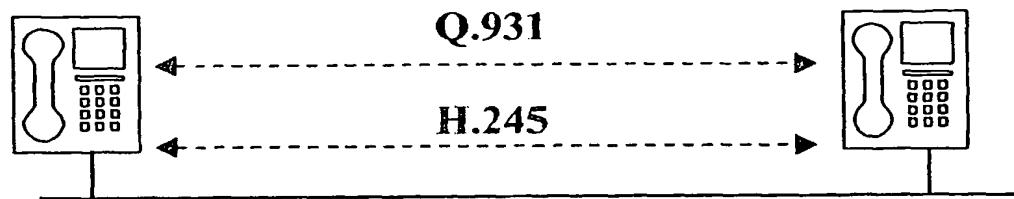


Fig. 6

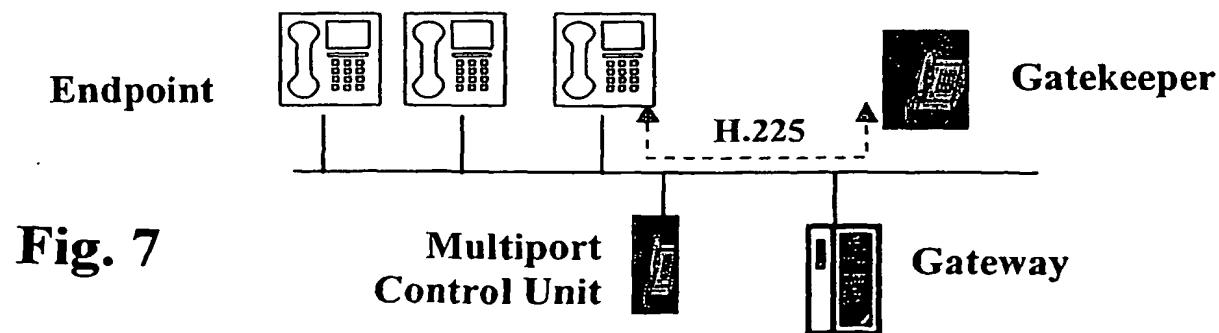


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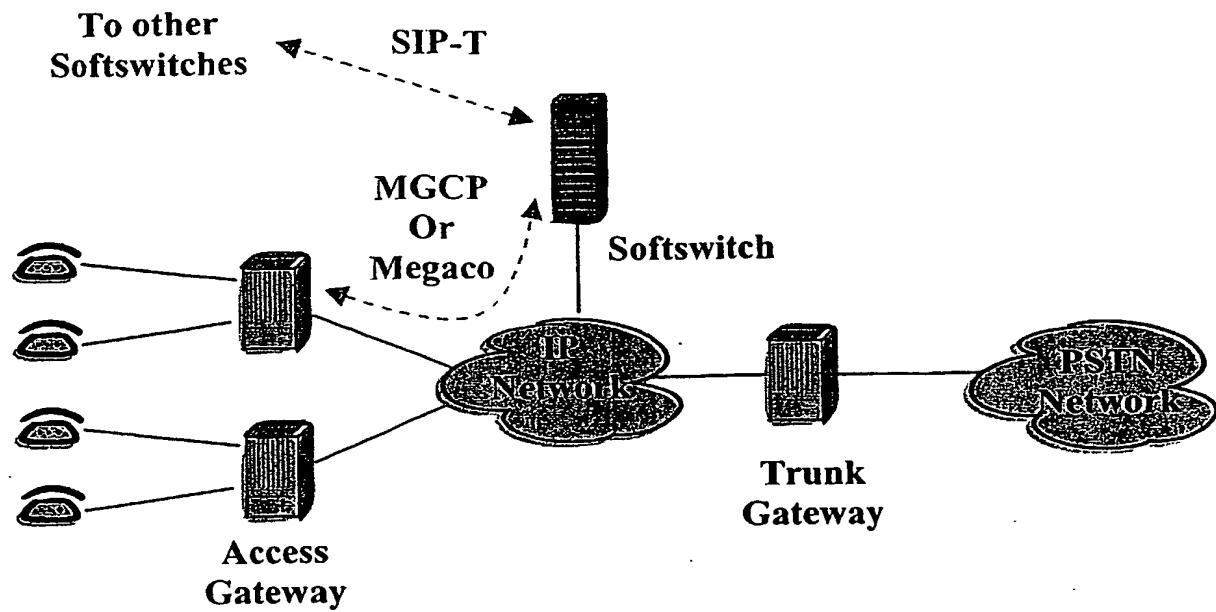


Fig. 8

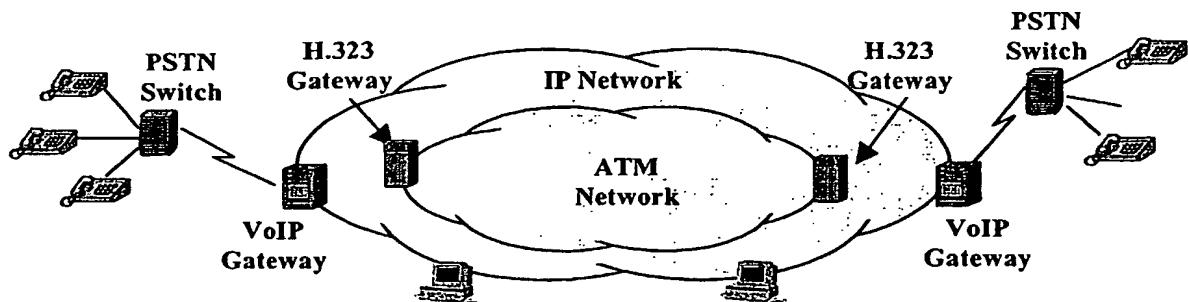
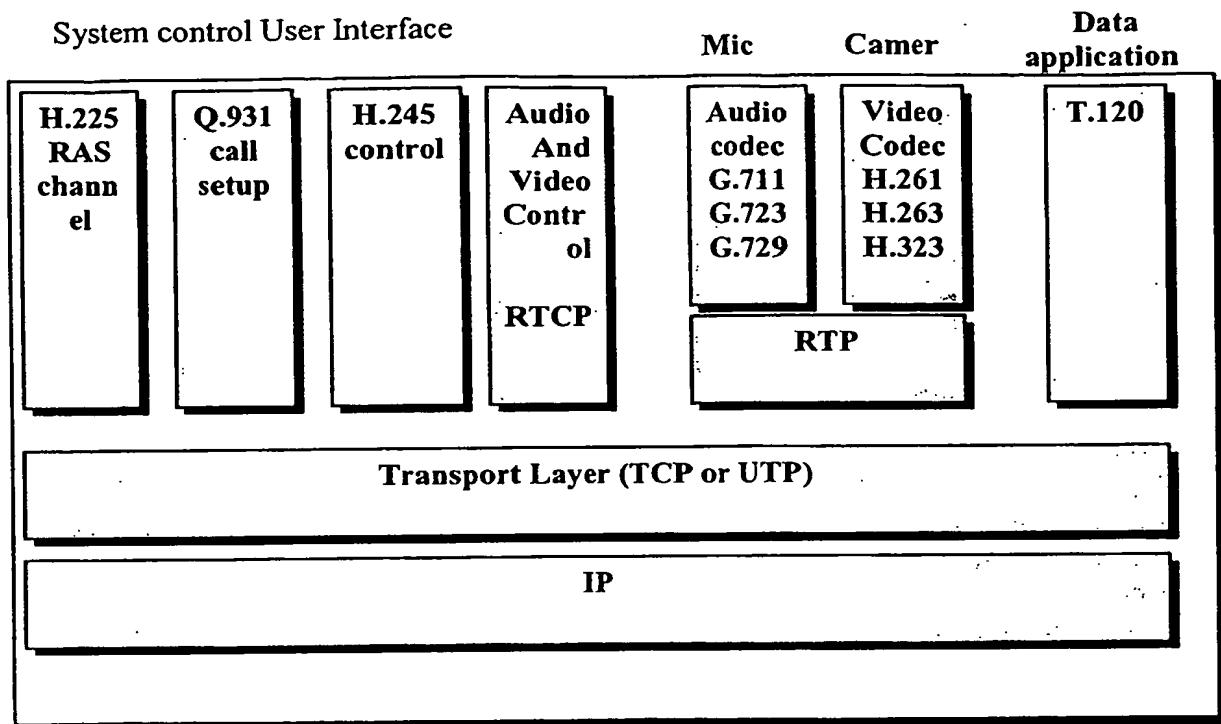
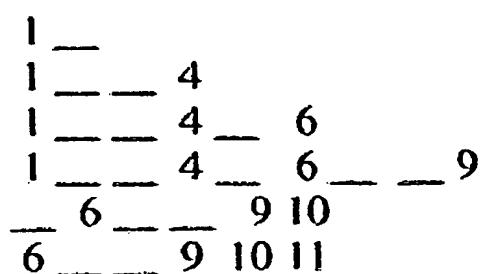
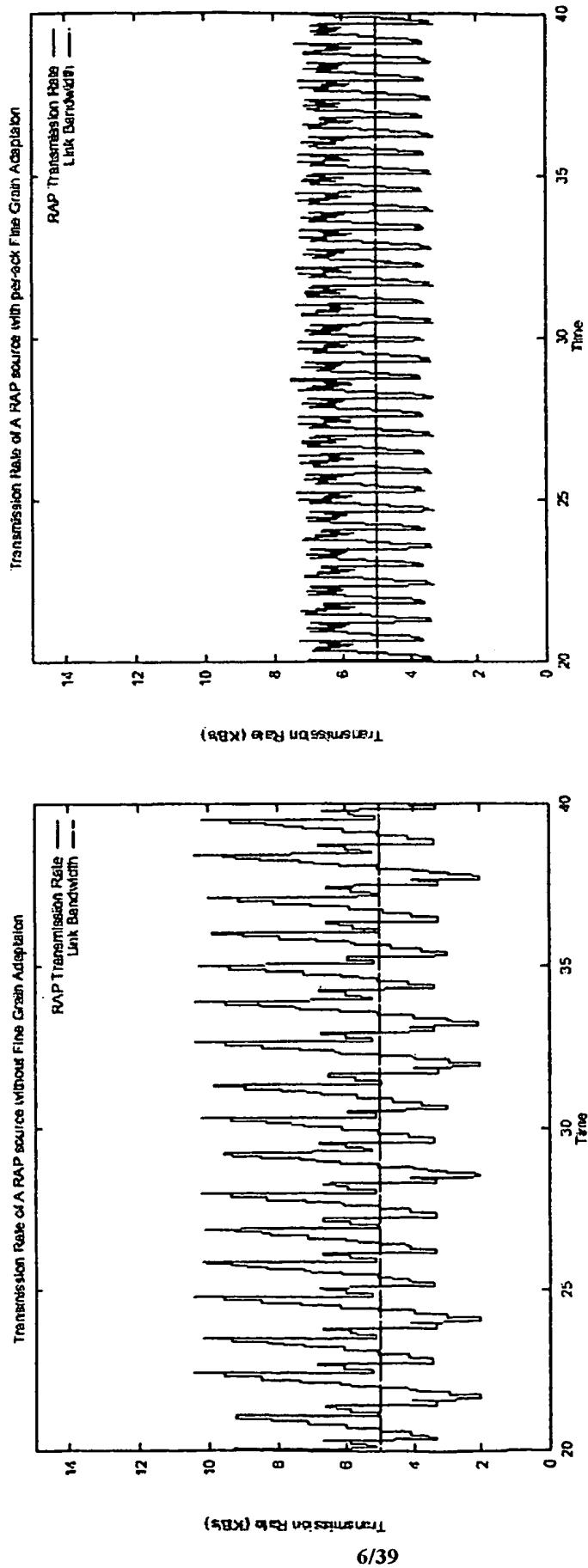


Fig. 9

**Fig. 10***Packet Loss Pattern**ACK Information*

A_{last}	N	A_{curr}	
0	0	1	
1	3	4	
4	5	6	A_6
6	8	9	
6	8	10	
6	8	11	

Fig. 11



(a) Transmission rate of a single RAP flow without fine grain rate adaptation

(b) Transmission rate of a single RAP flow with per-ack fine grain rate adaptation

Fig. 12

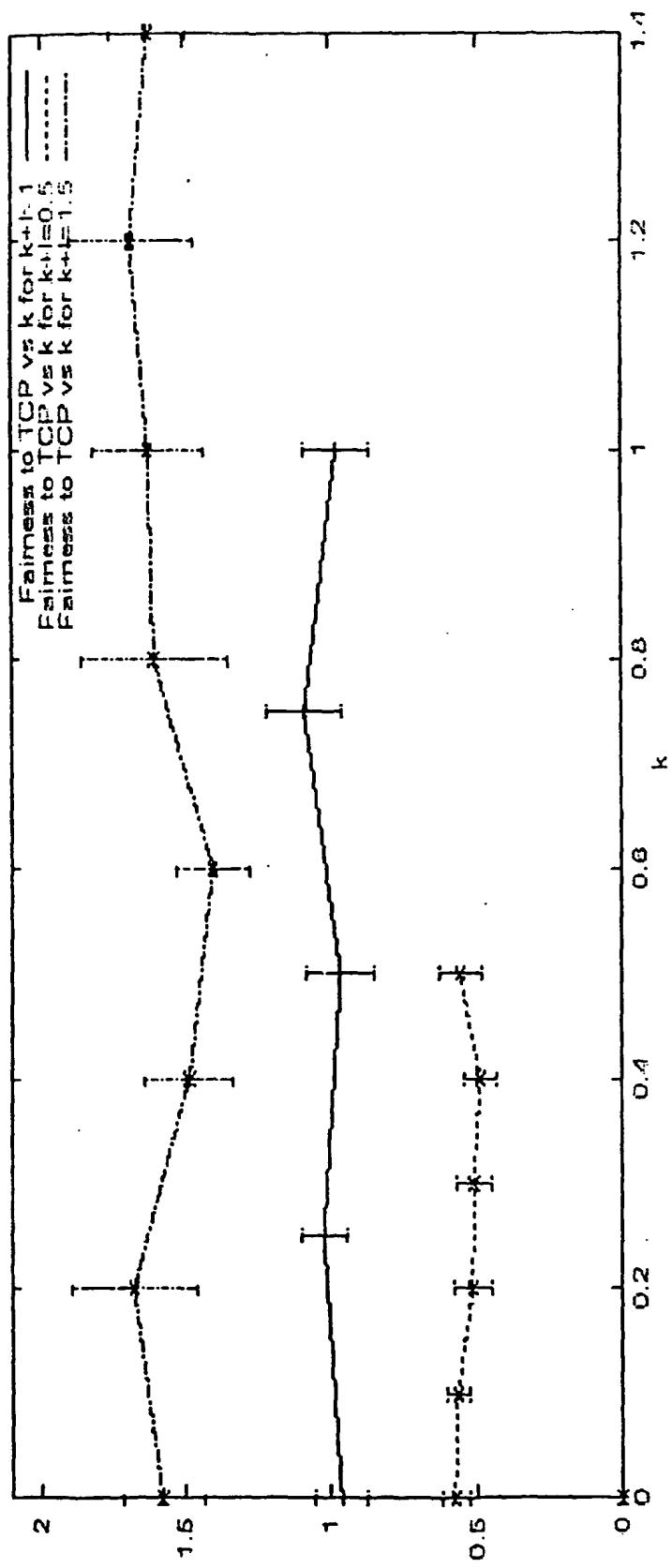


Fig. 13

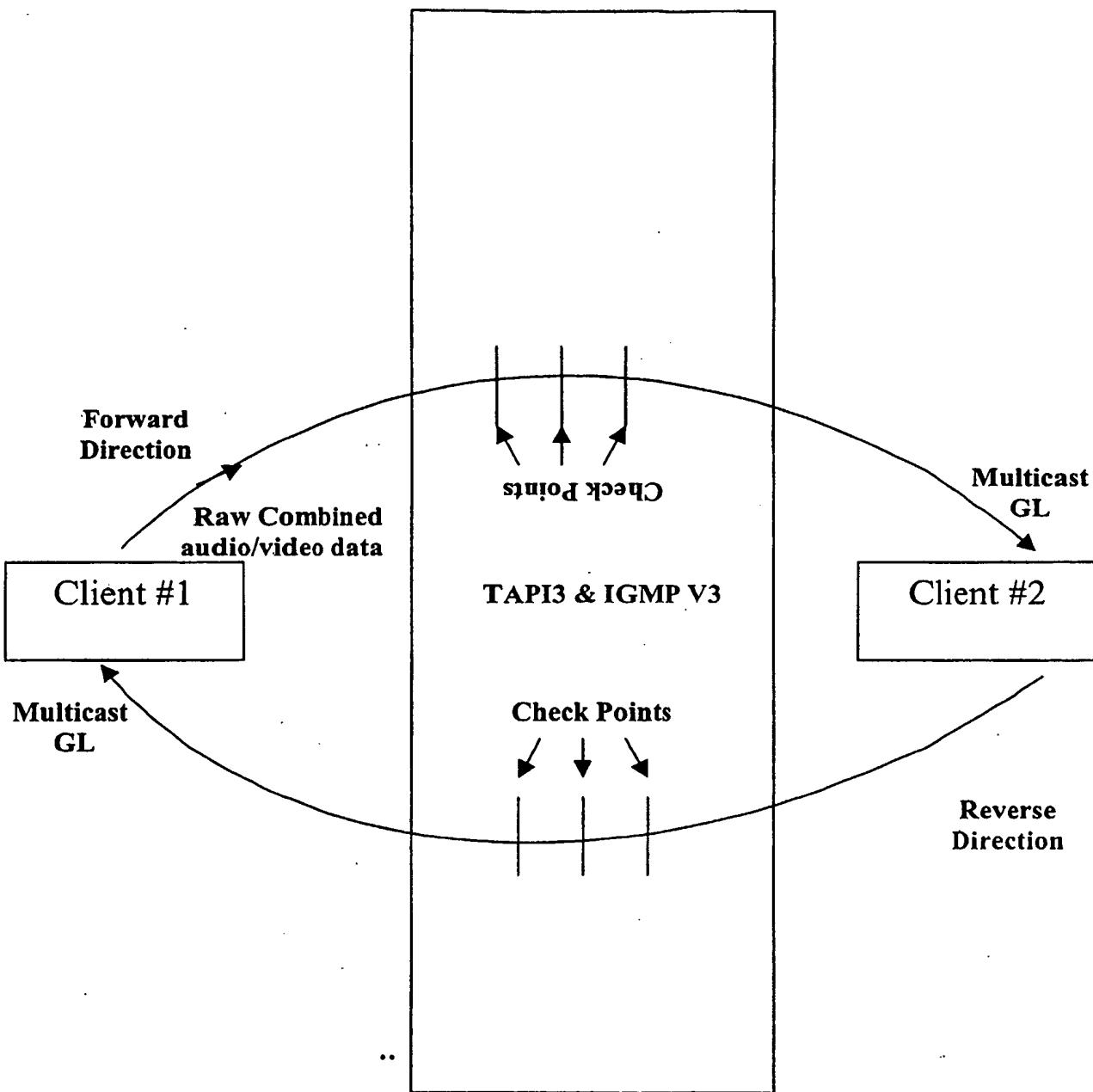


Fig. 14

Group	Unicast (%)		Multicast (%)		System Resources (%)	
	CPU/RAM	OS	CPU/RAM	OS	Unicast	Multicast
1 - 1	30	25			55	
1 - 2	60	25	26	25	85	27.6
1 - 3	90	25	34	25	100	28.1
1 - 4	NA	25			NA	
1 - 5	NA	25			NA	
1 - 6	NA	25	10	25	NA	35
1 - 7	NA	25	10	25	NA	35
1 - 8	NA	25	10	25	NA	35
1 - 9	NA	25	10	25	NA	35
1 - 10	NA	25	10	25	NA	35
1 - 128	NA	25	10	25	NA	35

Fig. 15

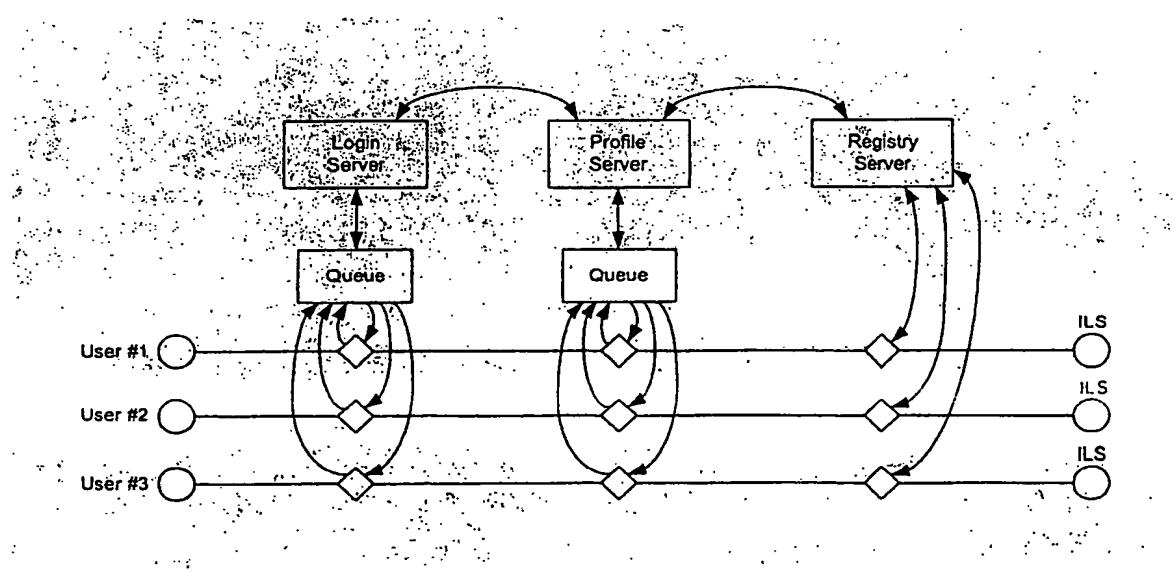


Fig. 16

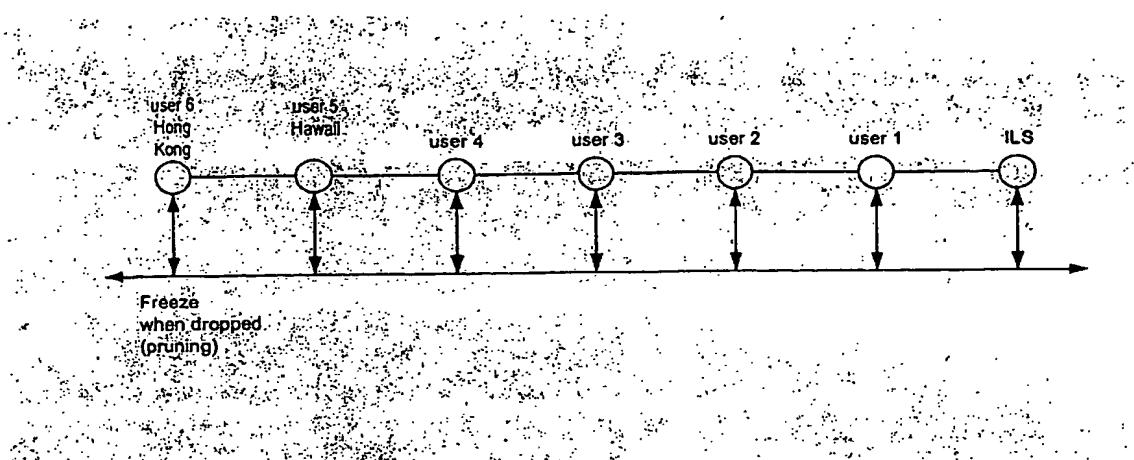


Fig. 17

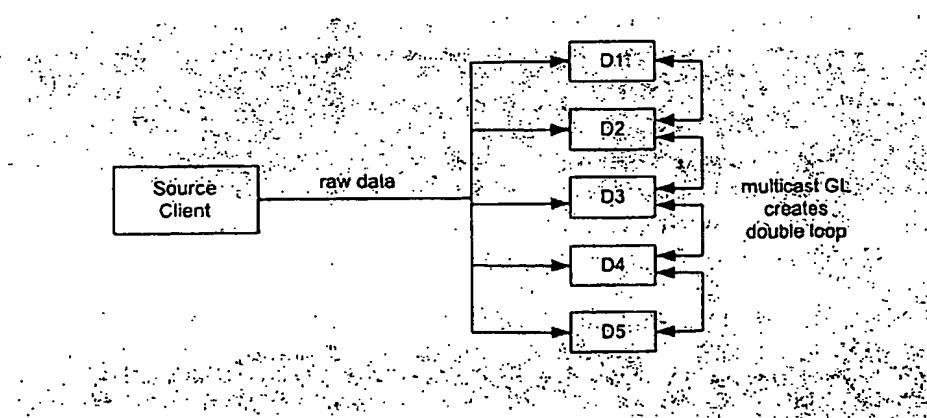


Fig. 19

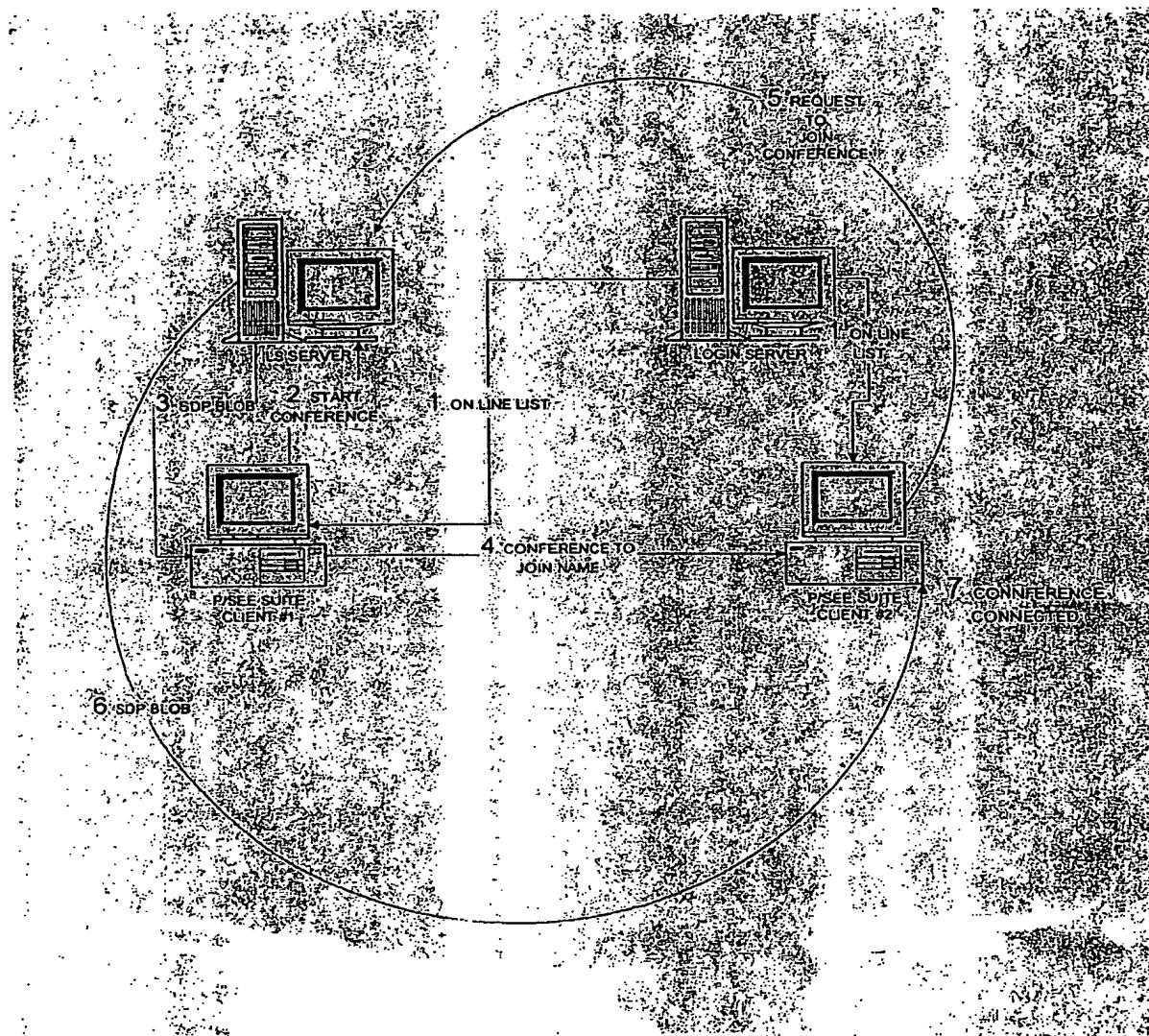


Fig. 18

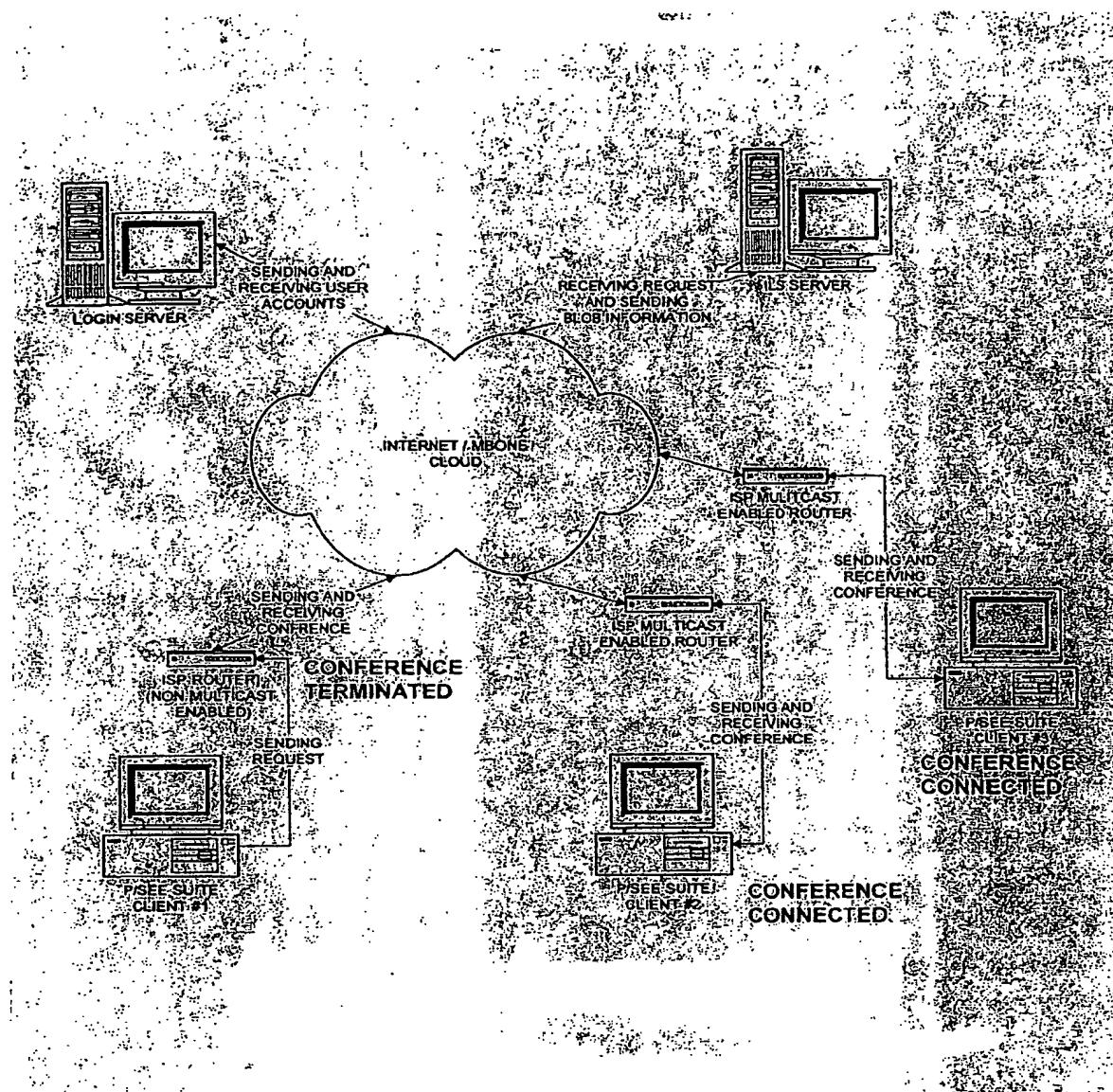


Fig. 20

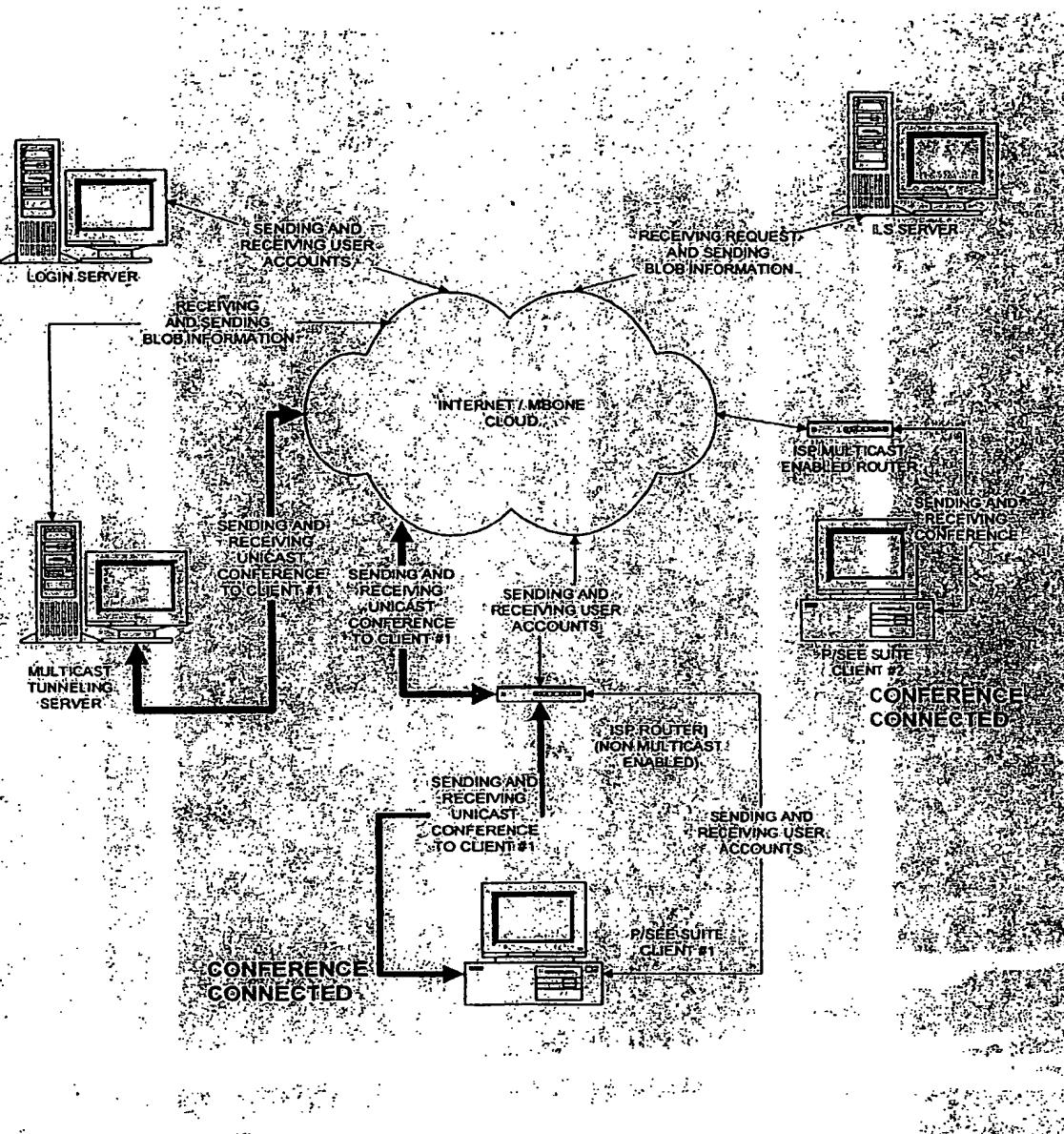


Fig. 21

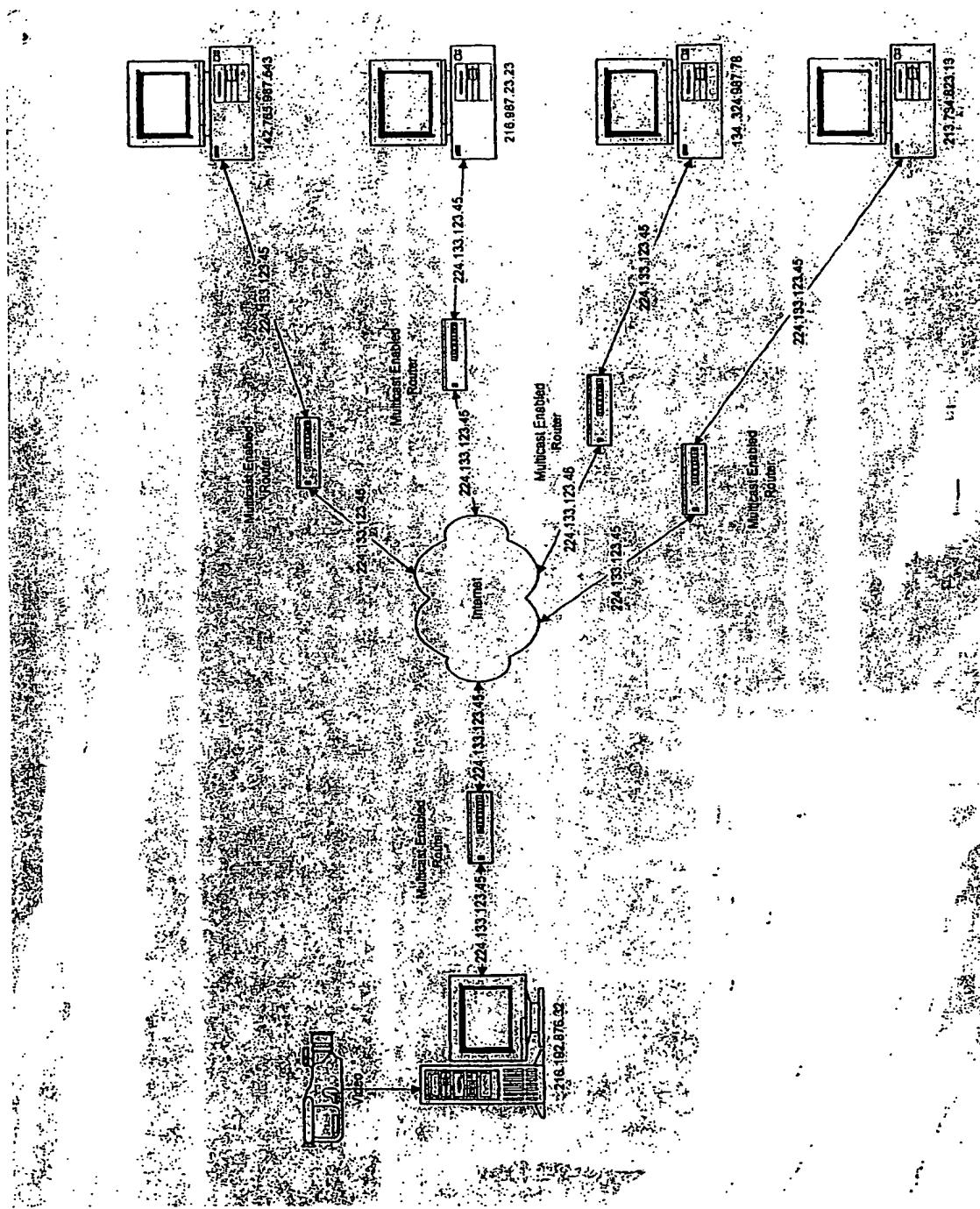


Fig. 22

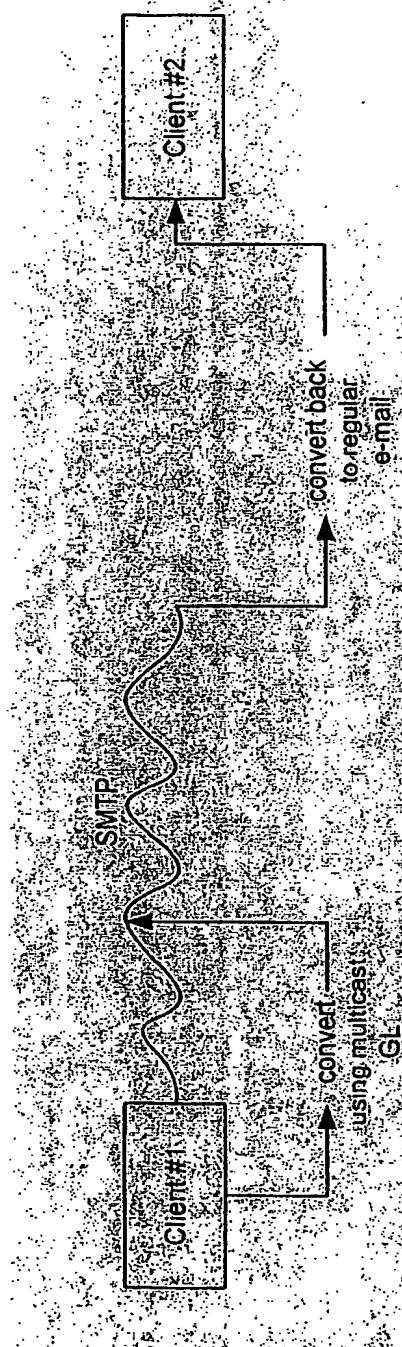


Fig. 23

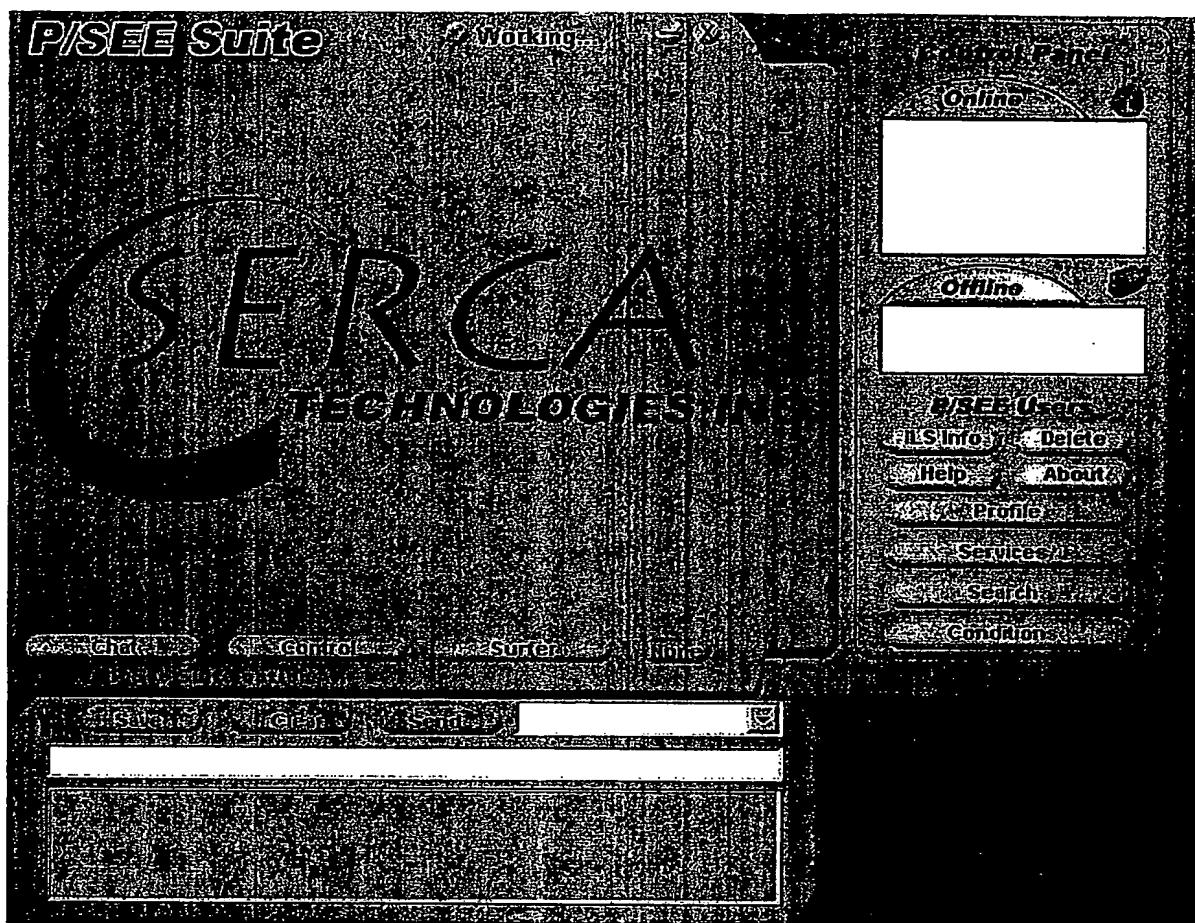


Fig. 24

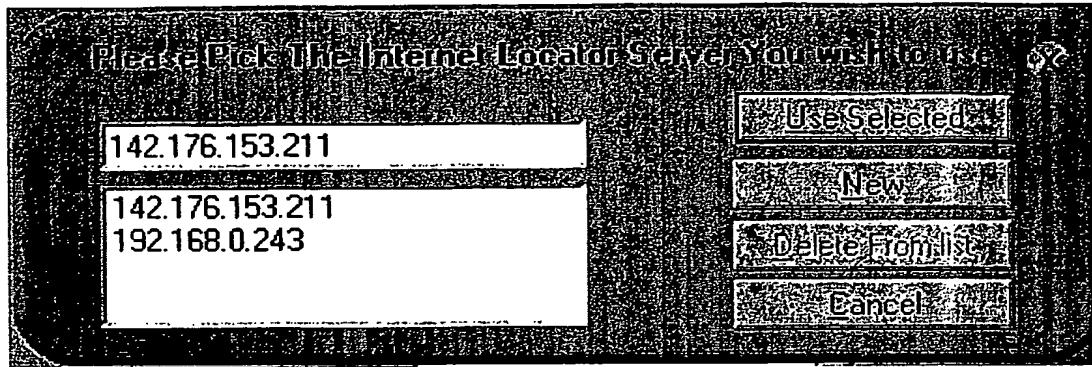


Fig. 25

User Profiles

First Name	Last Name	Nick Name
Steve	Me	Wednesday
Street	City	State/Province
lkj	lkj	654
Country	USA	Country
Home Phone	Work Phone	Home Phone
56465-4654	(654) 654-6546	(654) 654-6546
Work Fax	Company Phone	Company Phone
654654	(654) 654-6546	(654) 654-6546

Do not扰扰 me

Fig. 26

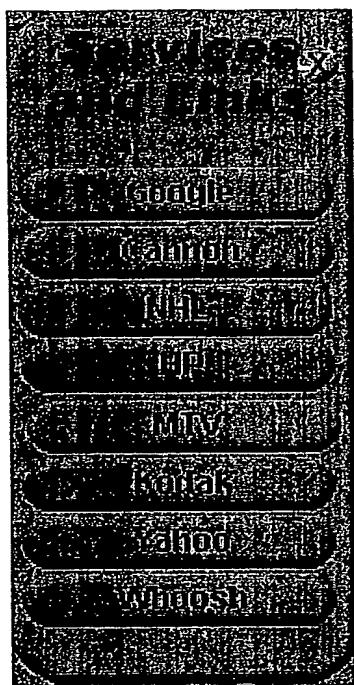


Fig. 27

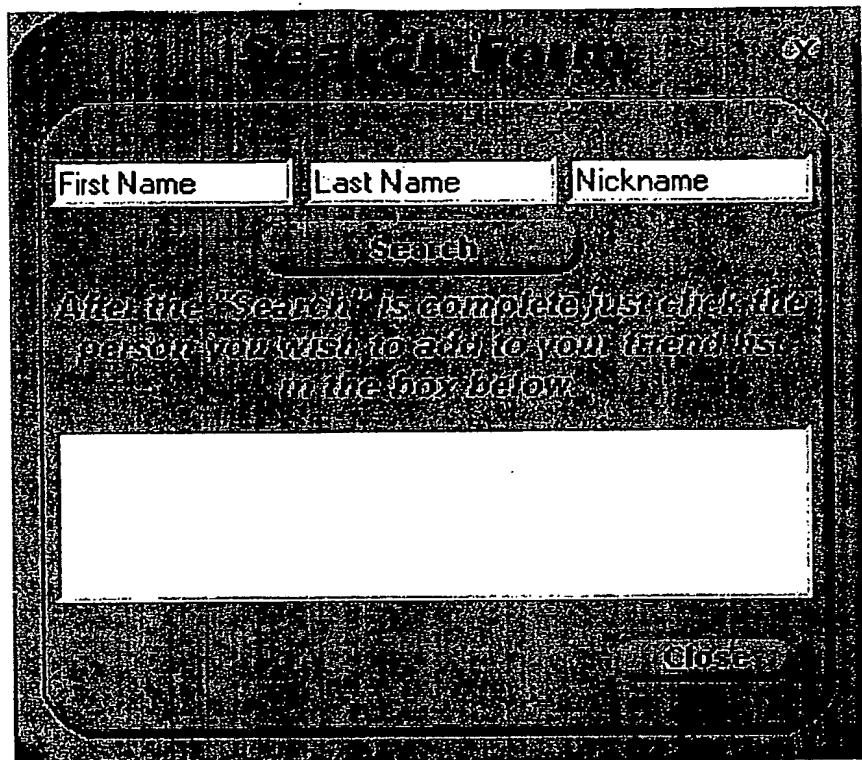


Fig. 28

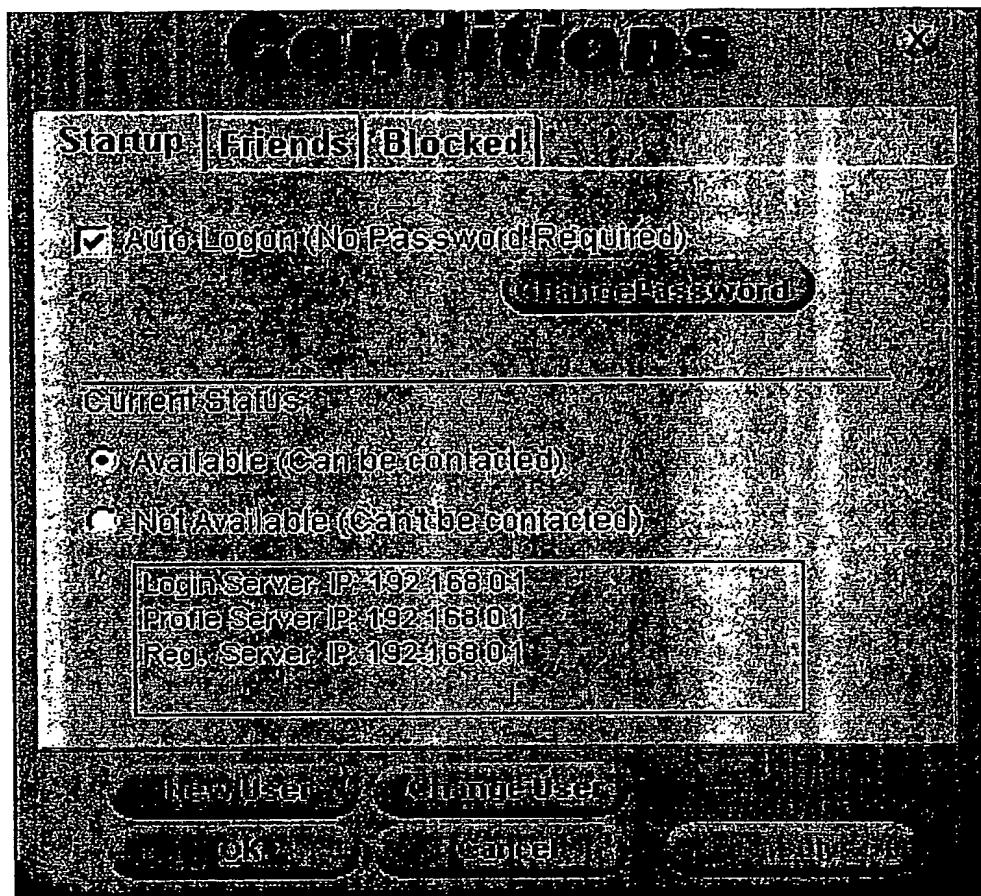


Fig. 29

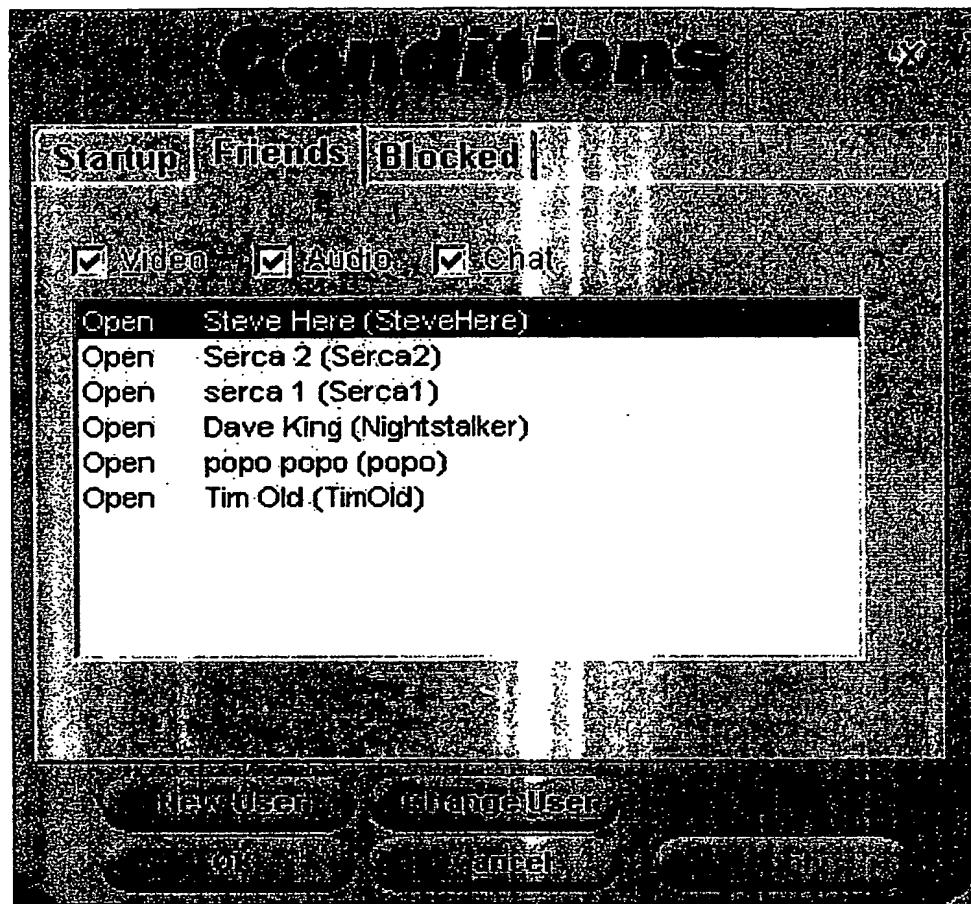


Fig. 30

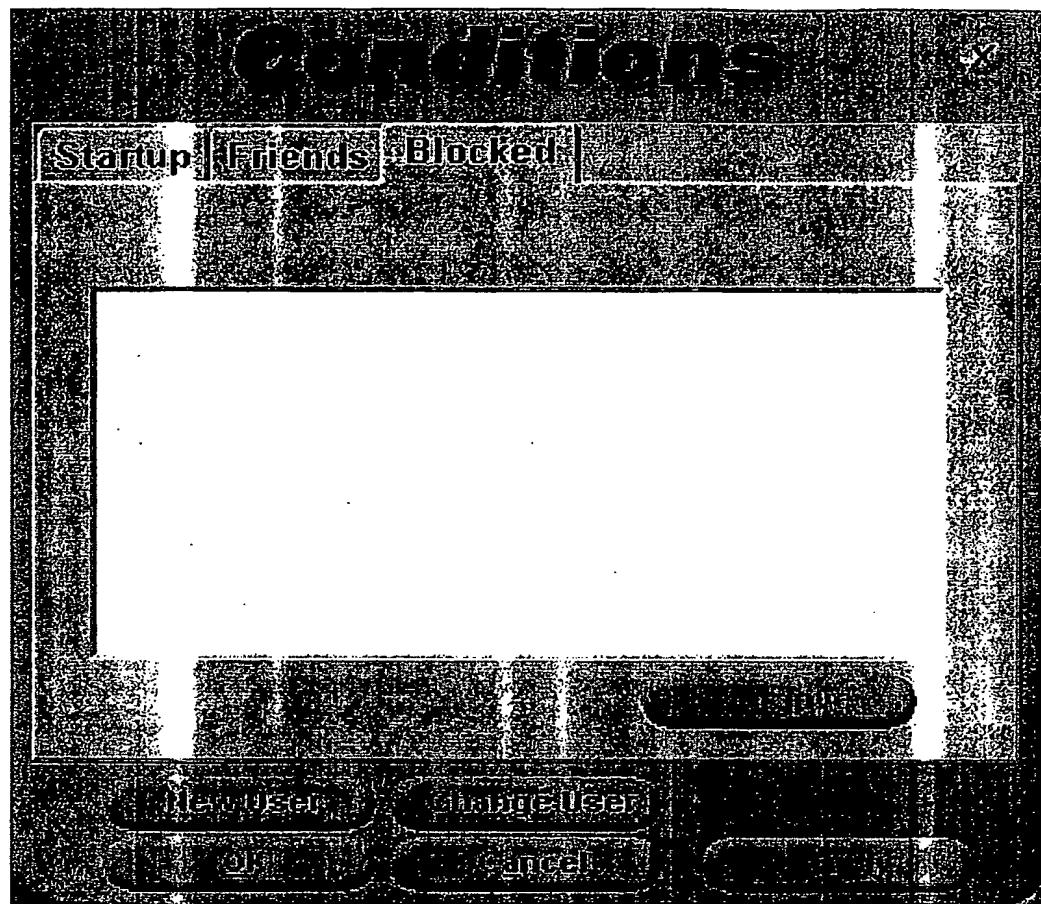


Fig. 31

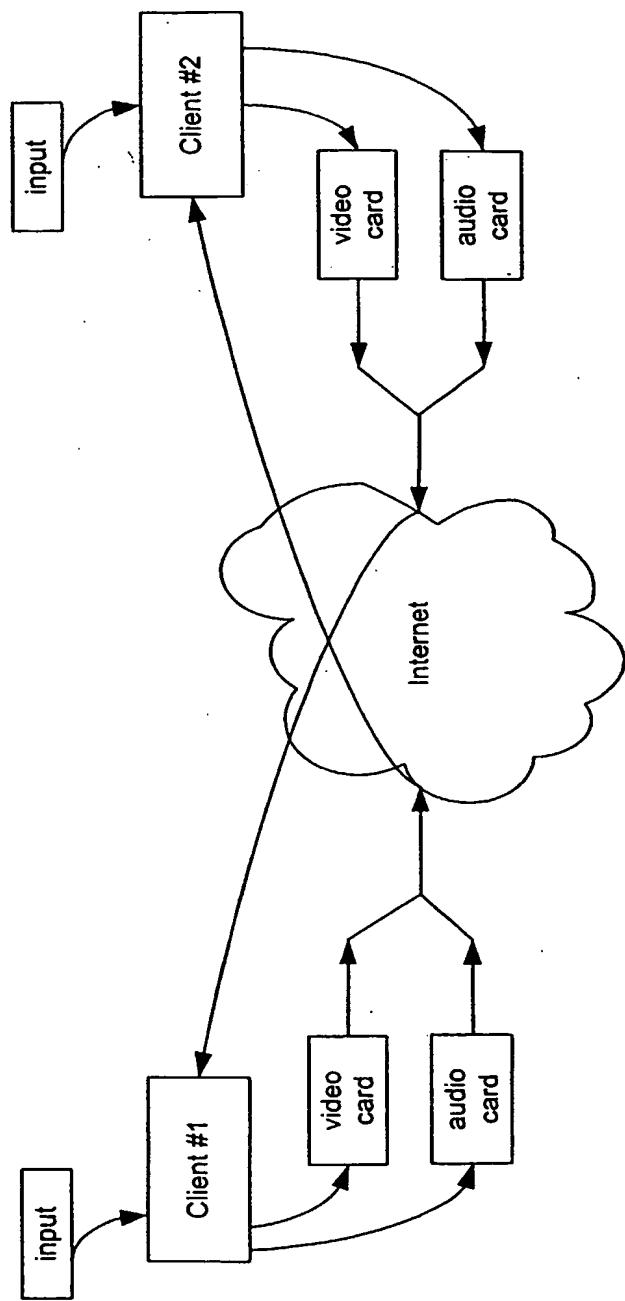


Fig. 32

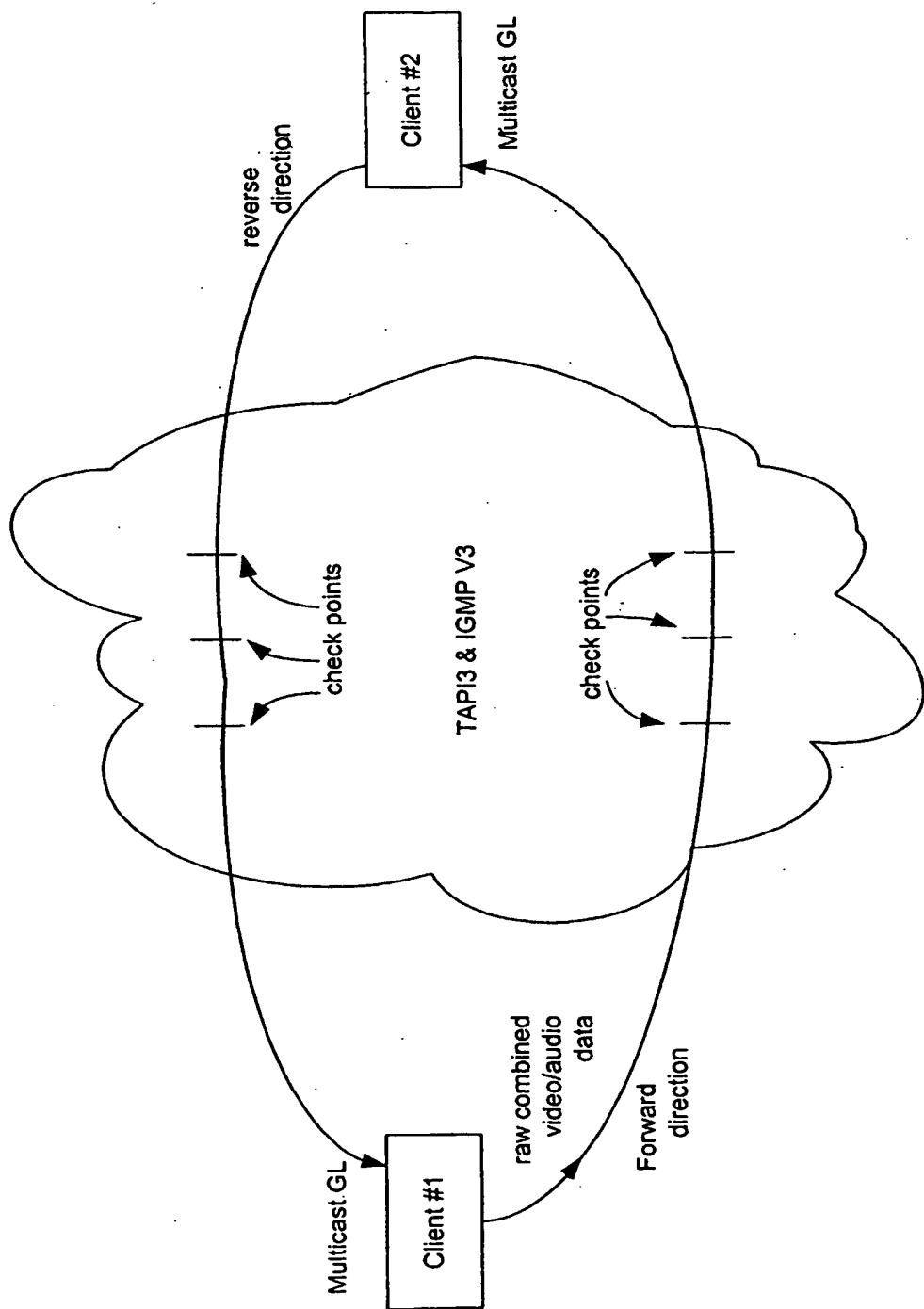


Fig. 33

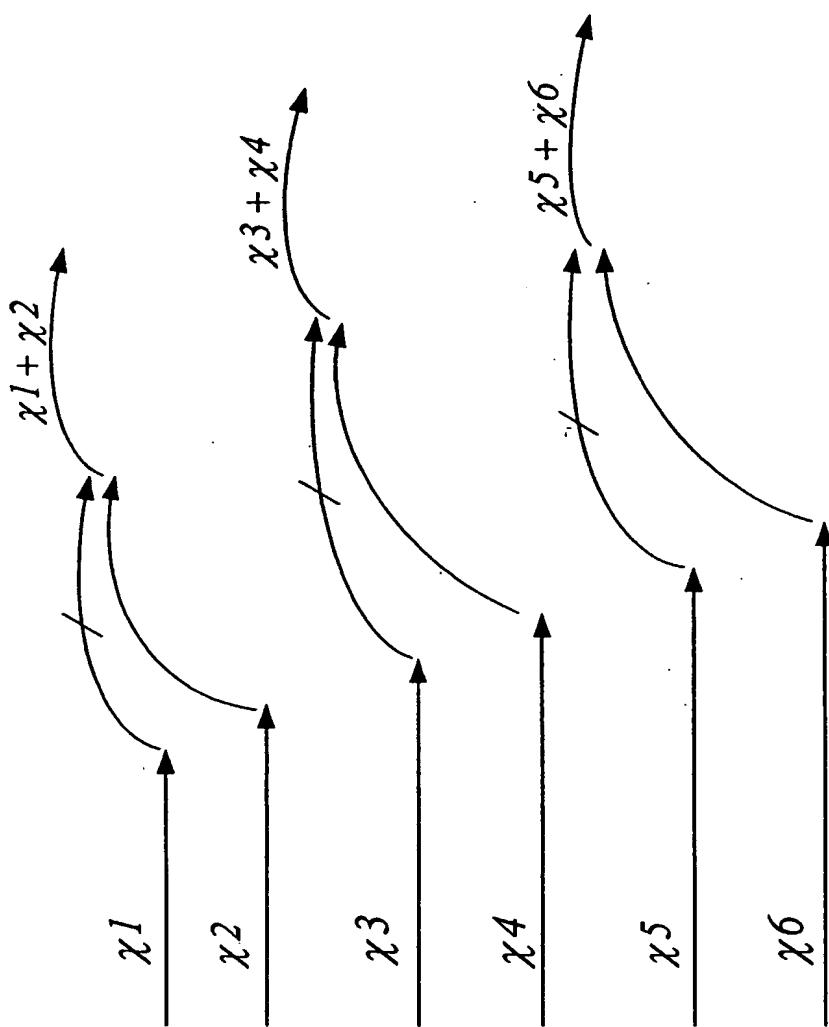


Fig. 34

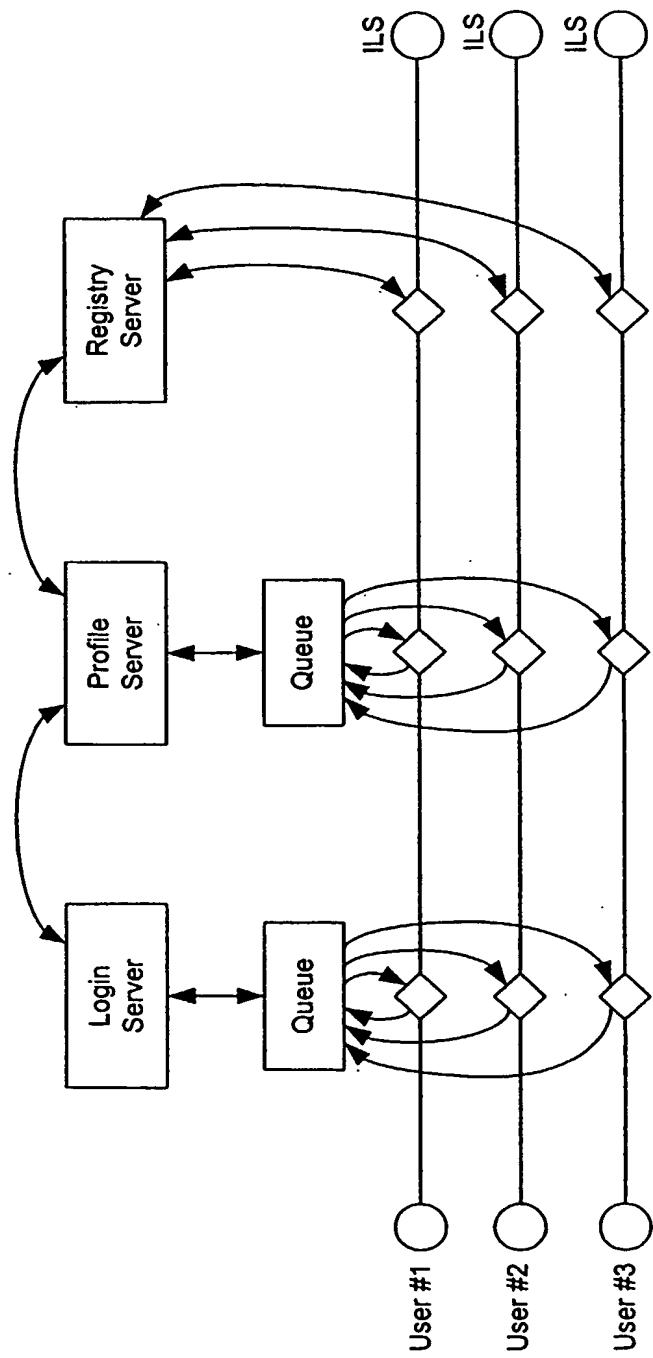


Fig. 35

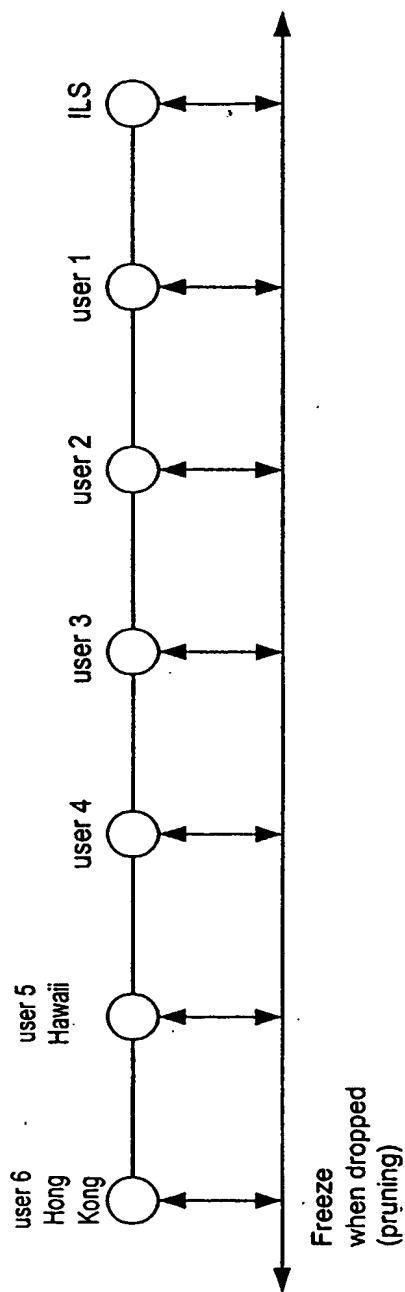


Fig. 36

P/SEE SUITE INTRANET COMMUNICATIONS

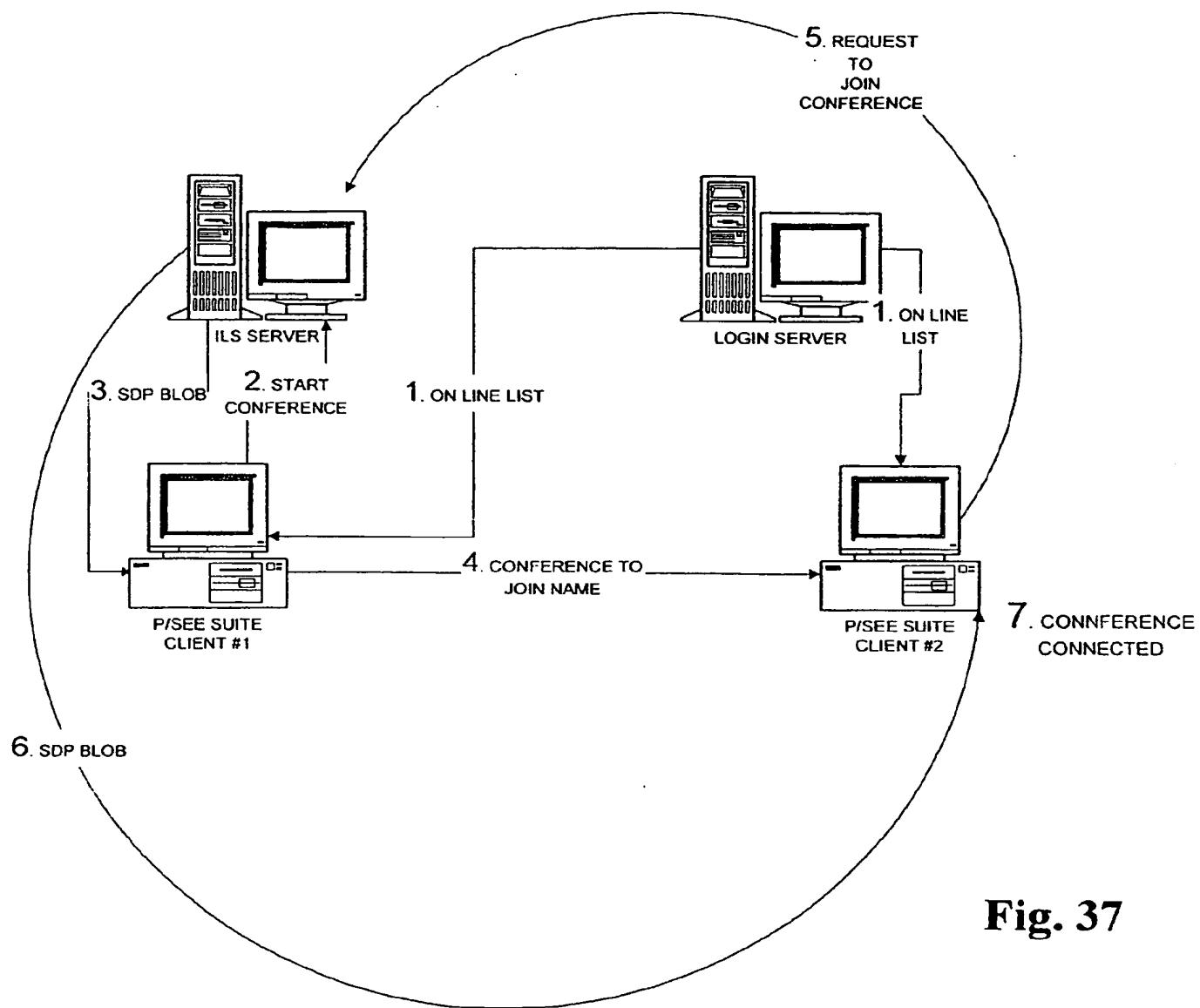


Fig. 37

STEPS:

1. On-line list is sent to each client
2. Client #1 starts conference
3. SDP BLOB* is sent to client #1
4. Conference name is sent to client #2
5. Client #2 requests conference name SDP BLOB*
- 6 SDP BLOB* is sent to client #2
7. Conference connected

* SDP BLOB contains specific information about each conference

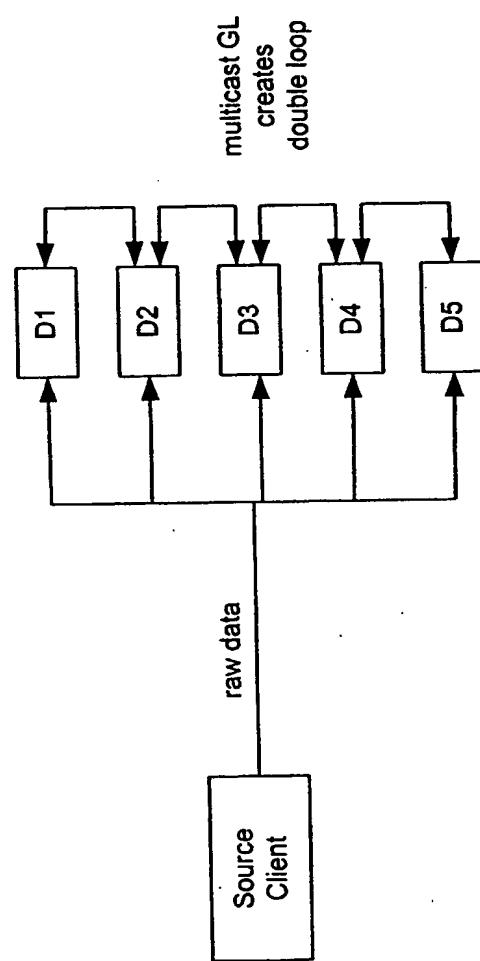


Fig. 38

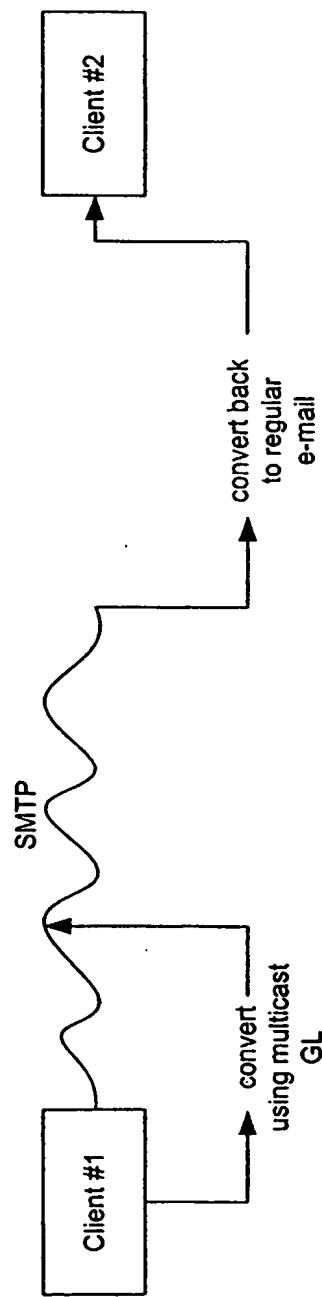
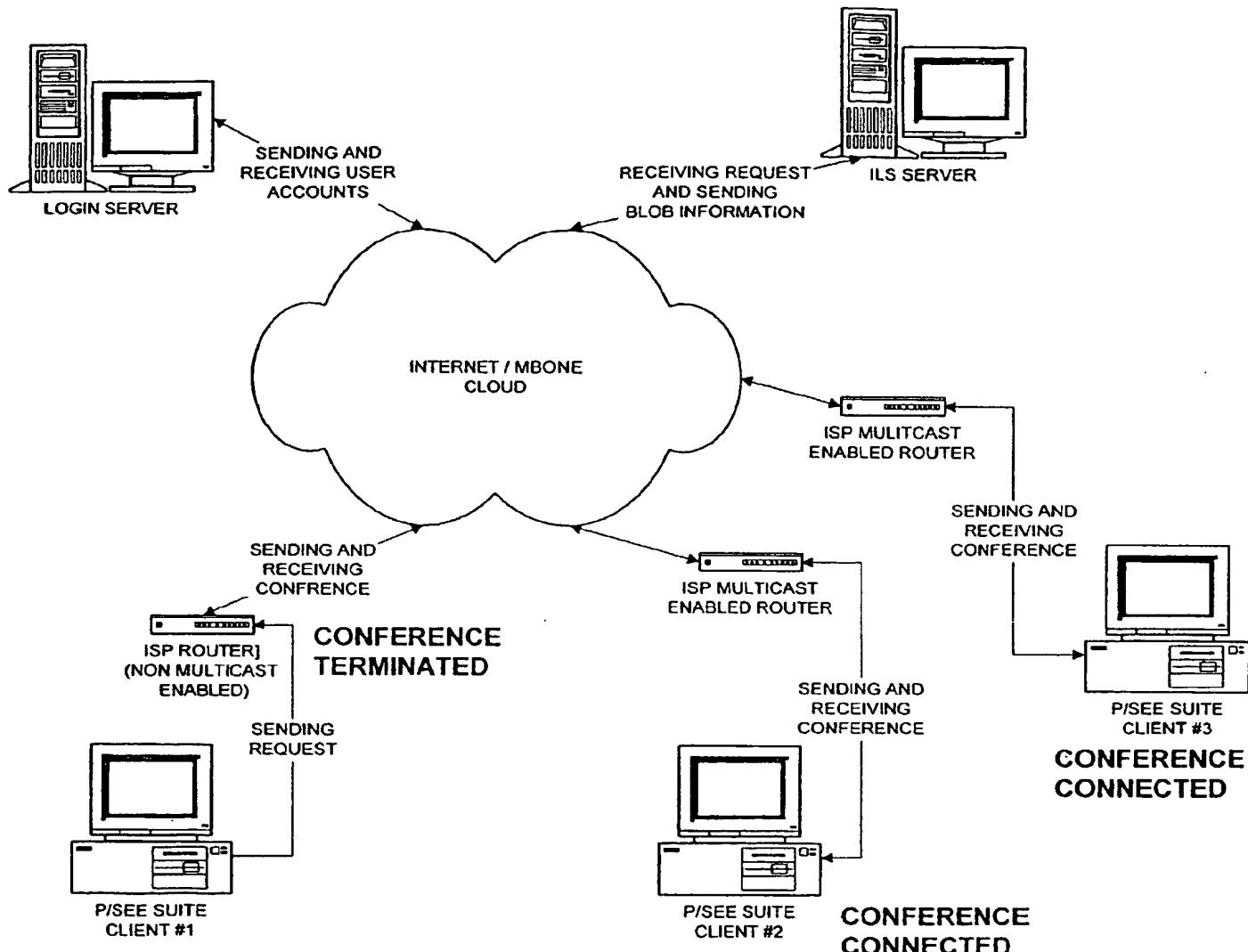


Fig. 39

P/SEE SUITE INTERNET COMMUNICATIONS



Clients #2 and #3 can join / create a conference without difficulty because their ISP uses a multicast enabled router.

Client #1 will not be able to join / create a conference because their ISP **does not** use a multicast enabled router.

Fig. 40

~~P/SEE SUITE~~ INTERNET COMMUNICATIONS
SOLUTION

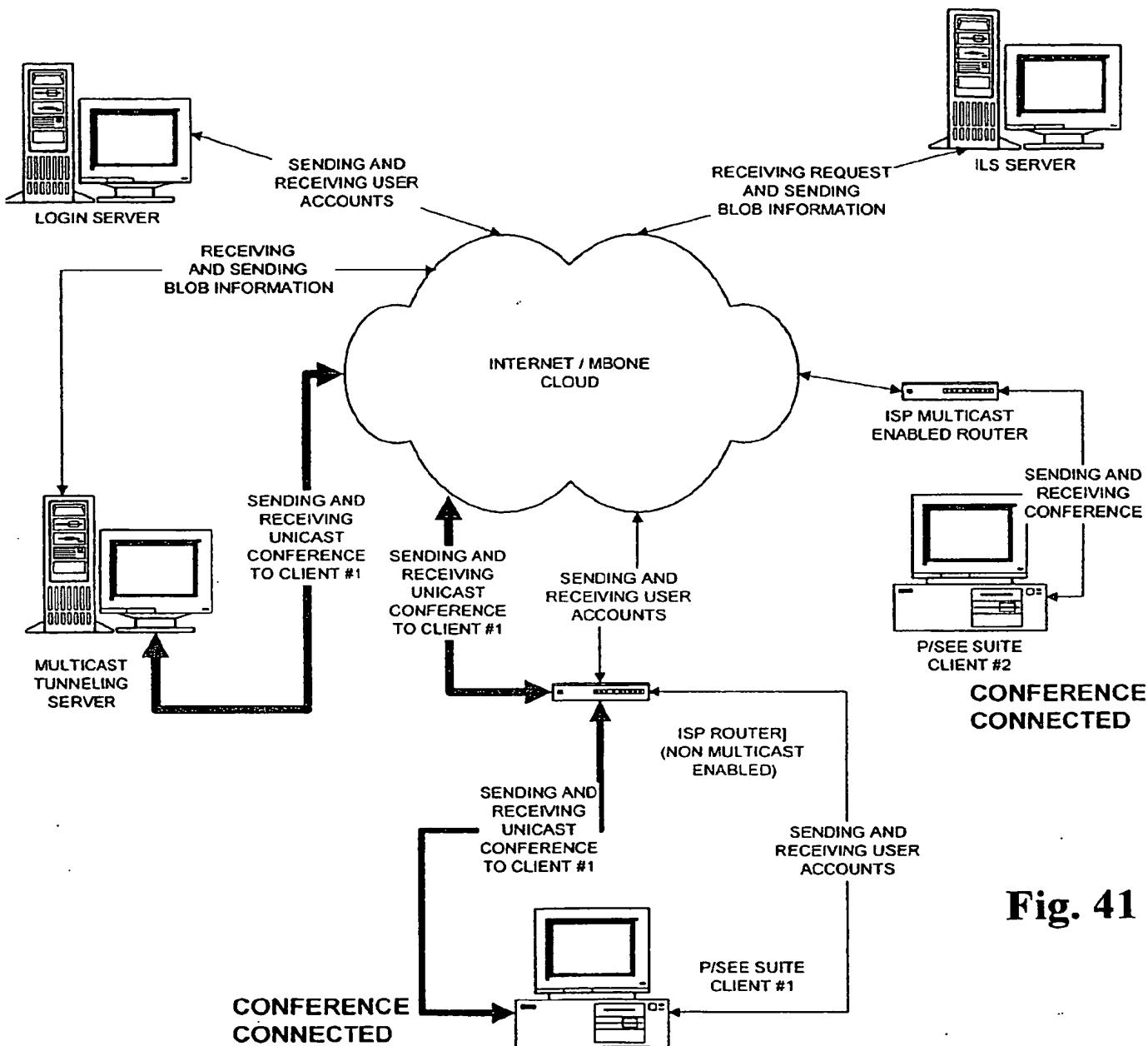


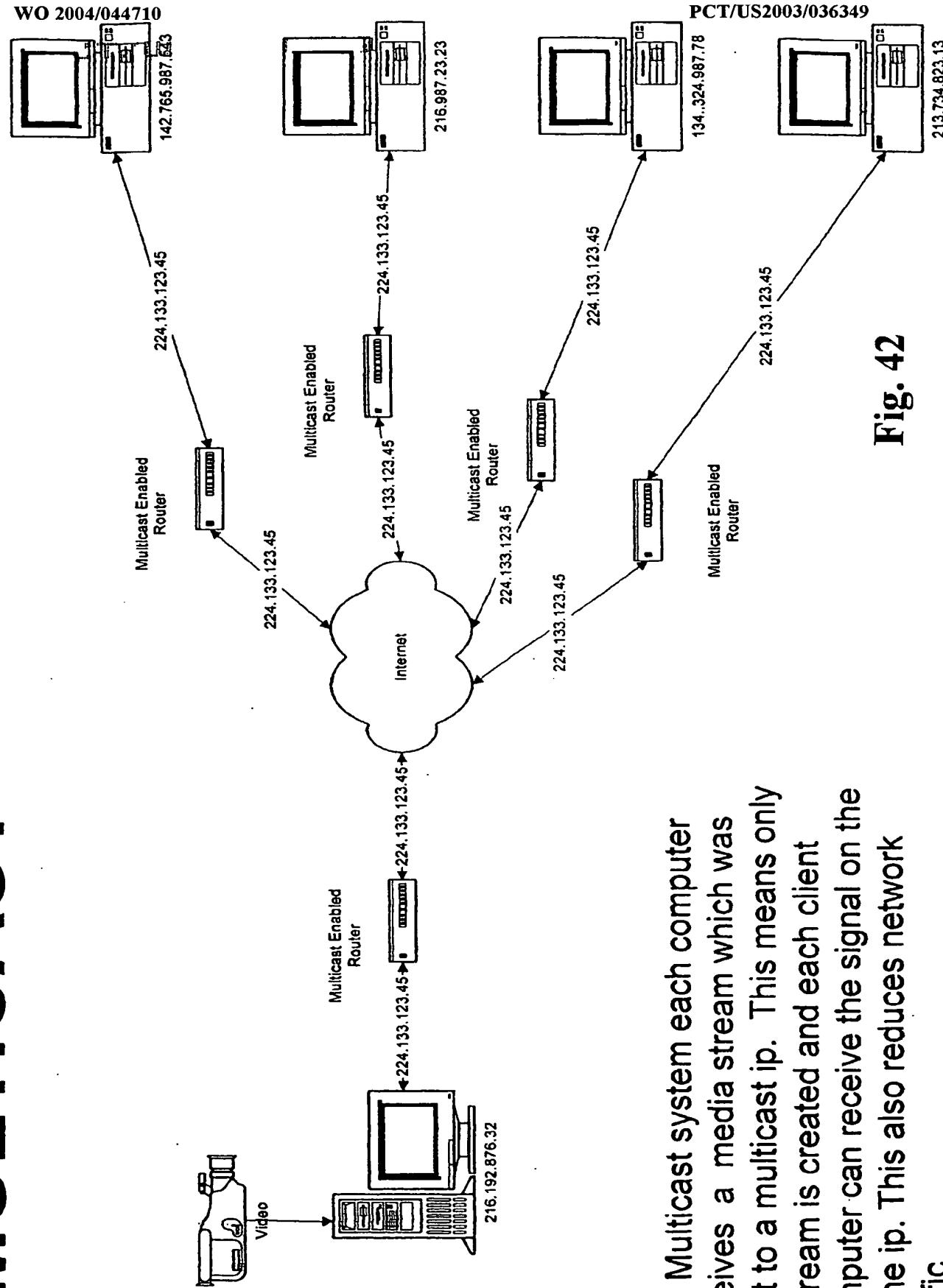
Fig. 41

Client #2 can join / create a conference without difficulty because their ISP uses a multicast enabled router.

Client #1 will be able to join / create a conference via a Multicast Tunneling Server.

The Multicast Tunneling Server receives a multicast IP and converts it to a standard unicast IP allowing non multicasting routers to receive and transmit the single.

MULTICAST



In a Multicast system each computer receives a media stream which was sent to a multicast ip. This means only 1 stream is created and each client computer can receive the signal on the same ip. This also reduces network traffic.

Fig. 42

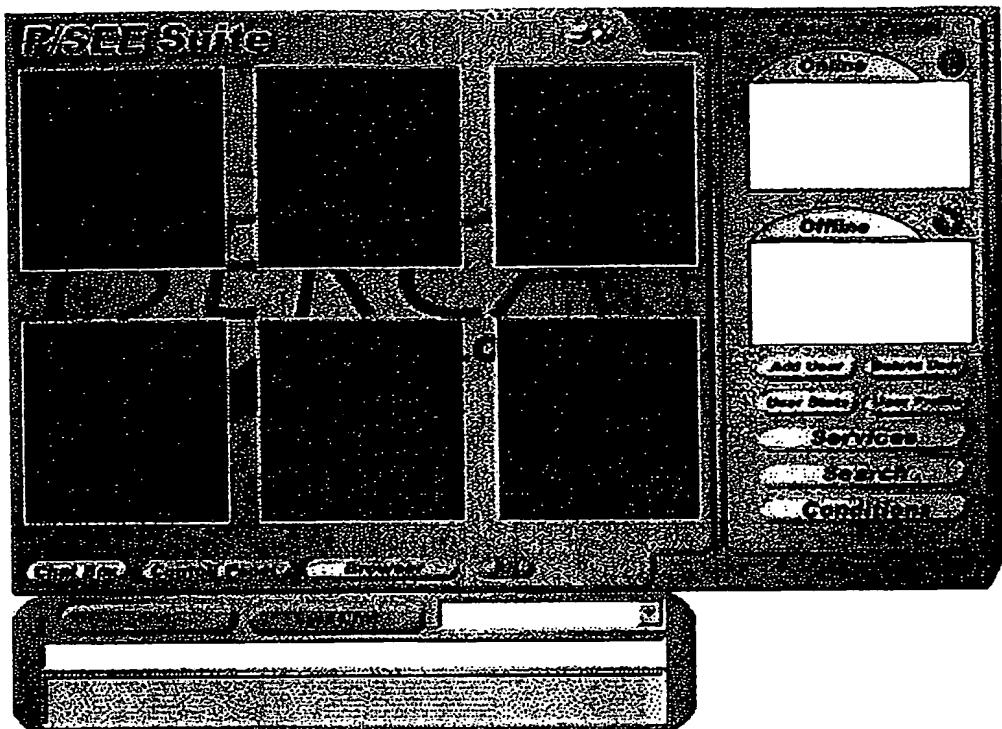


Fig. 43

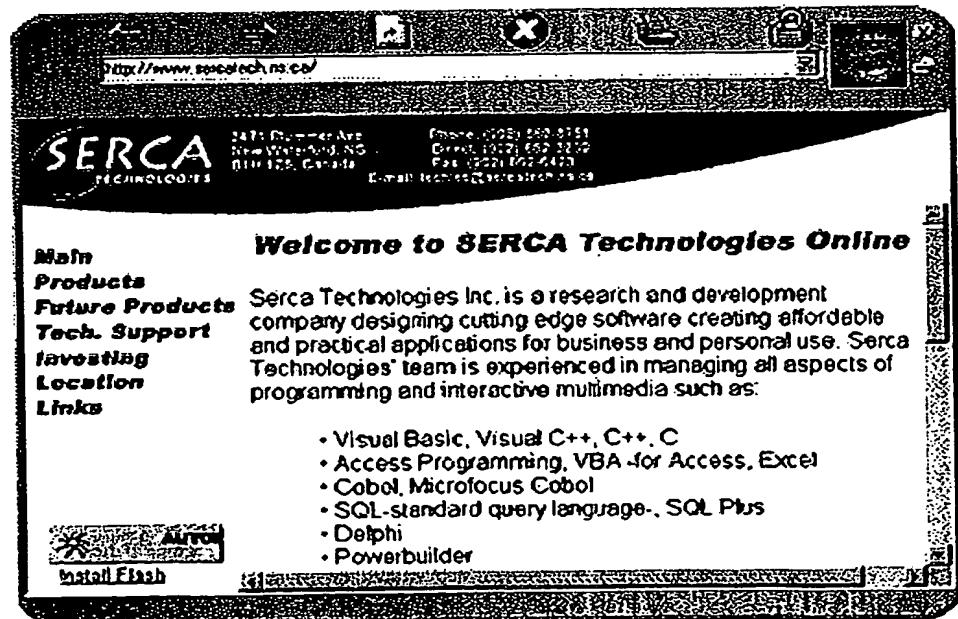


Fig. 44

P/SEE Podium

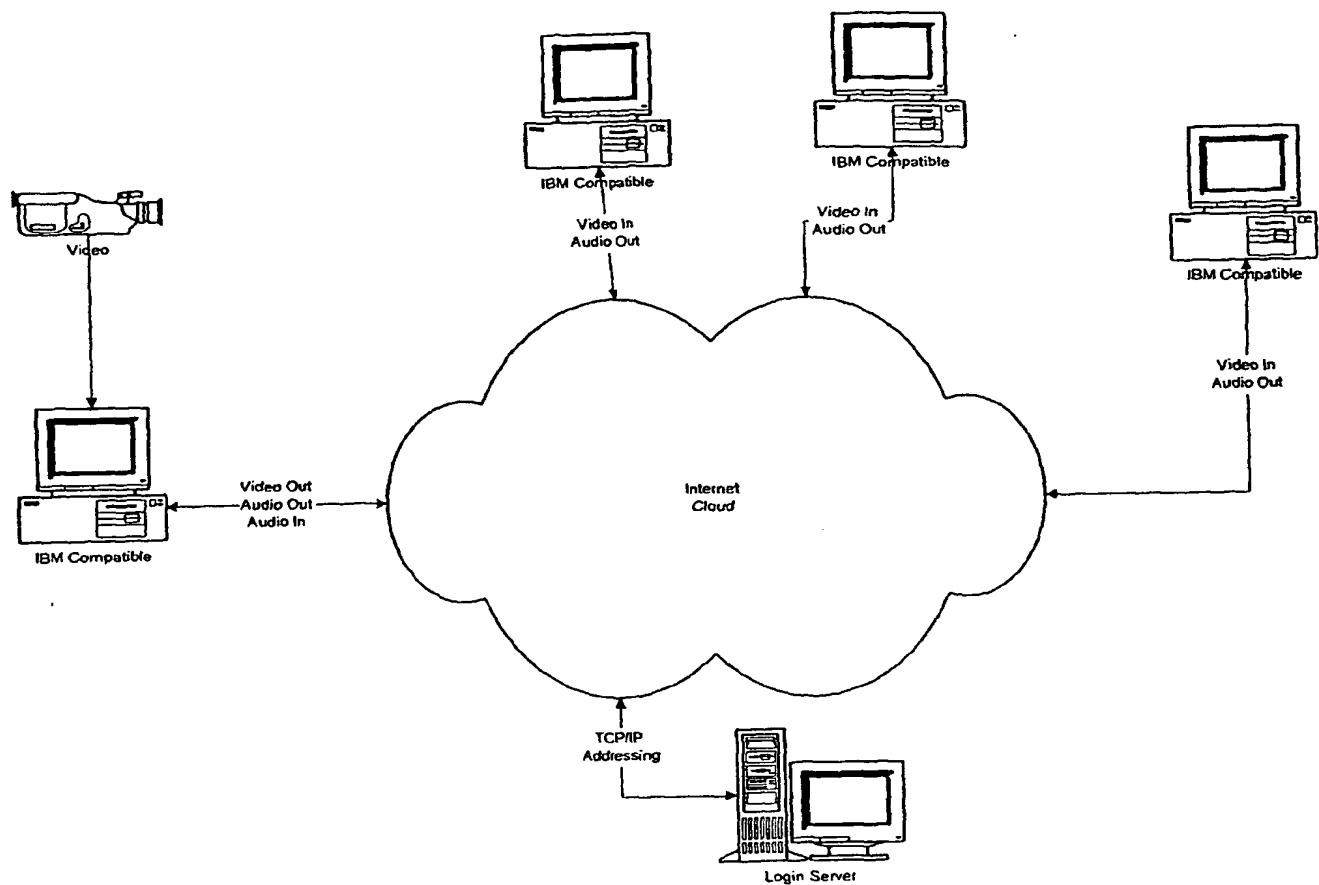


Fig. 45

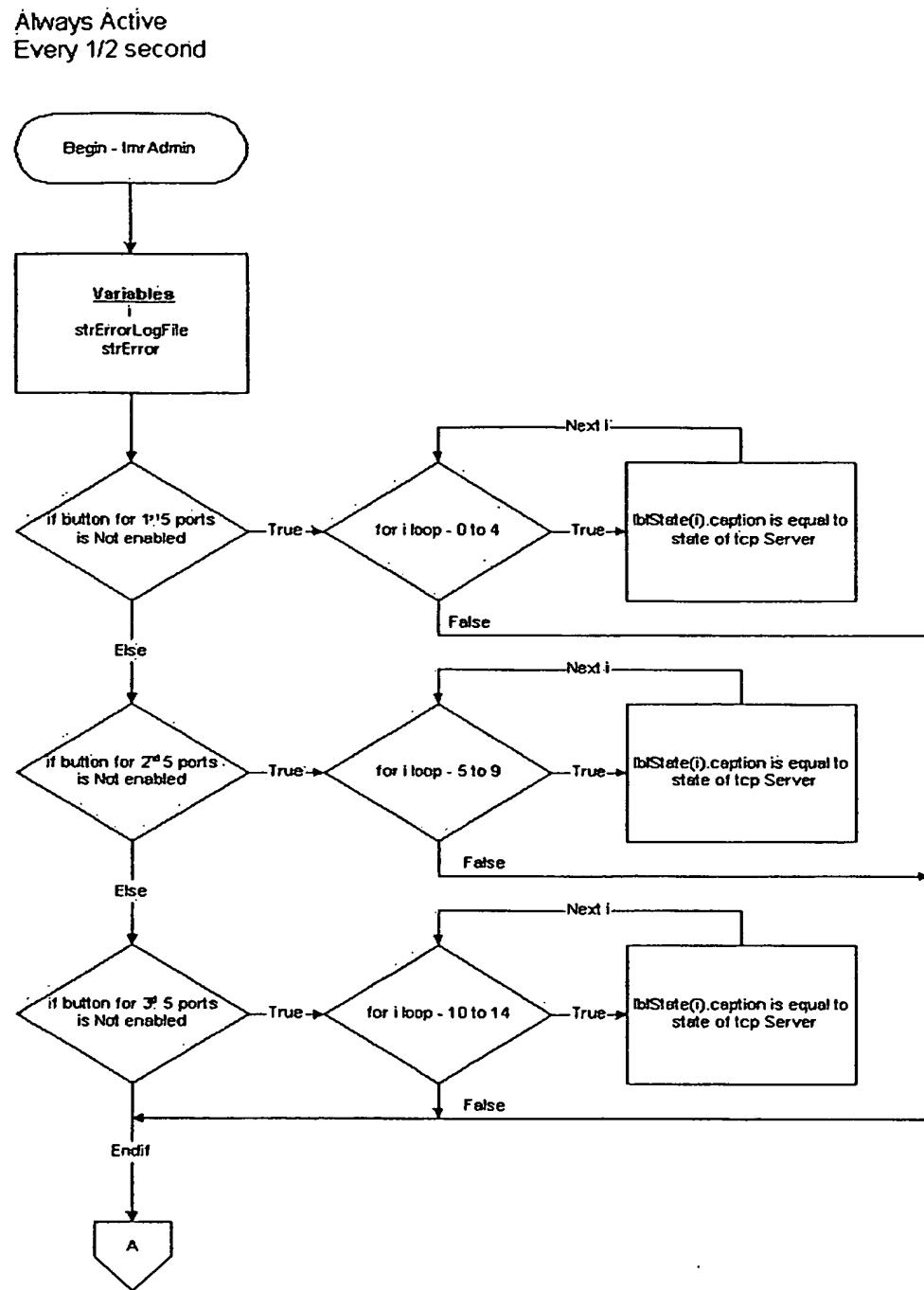


Fig. 46

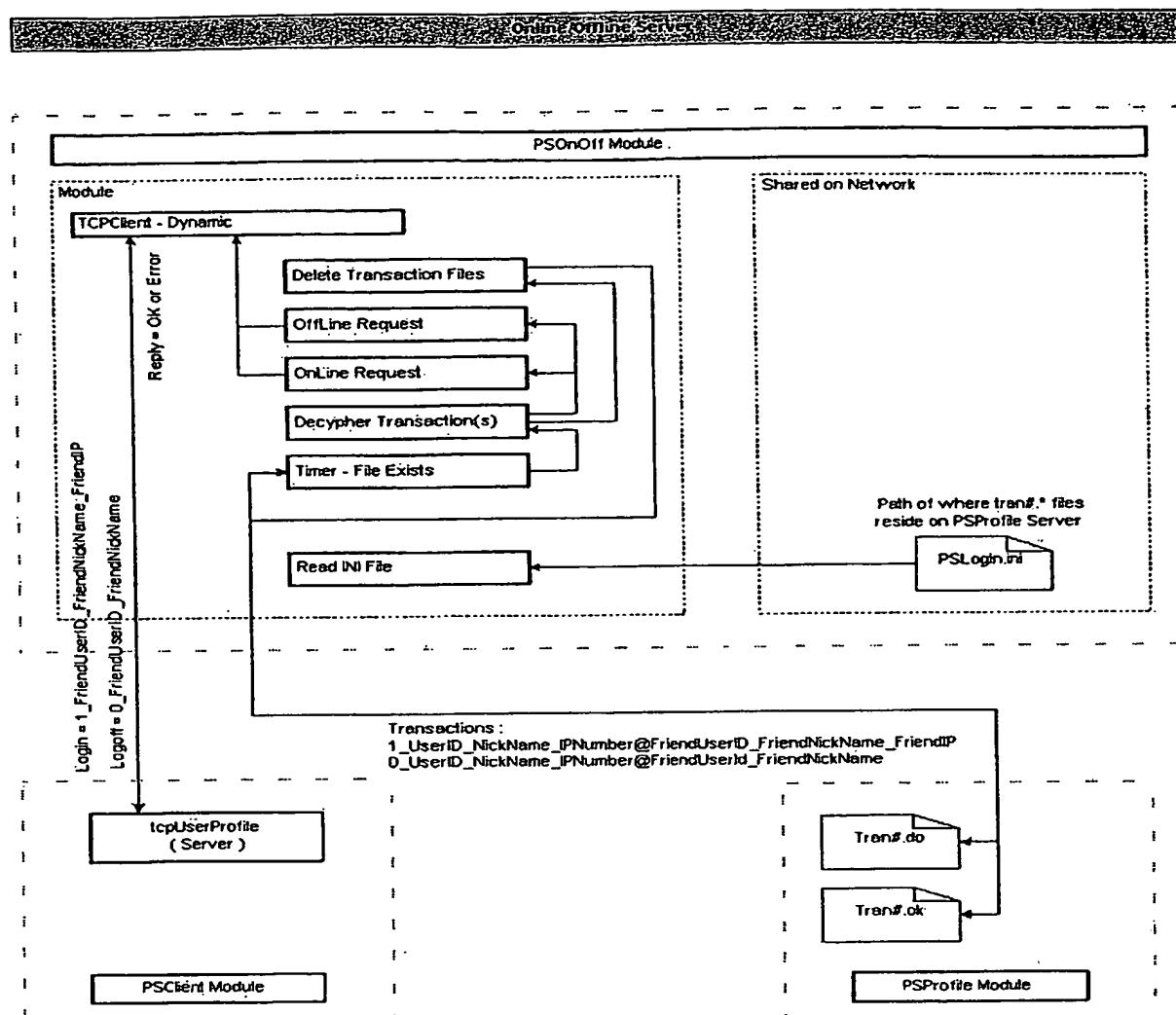


Fig. 47

P/See Suite Back End Requirements

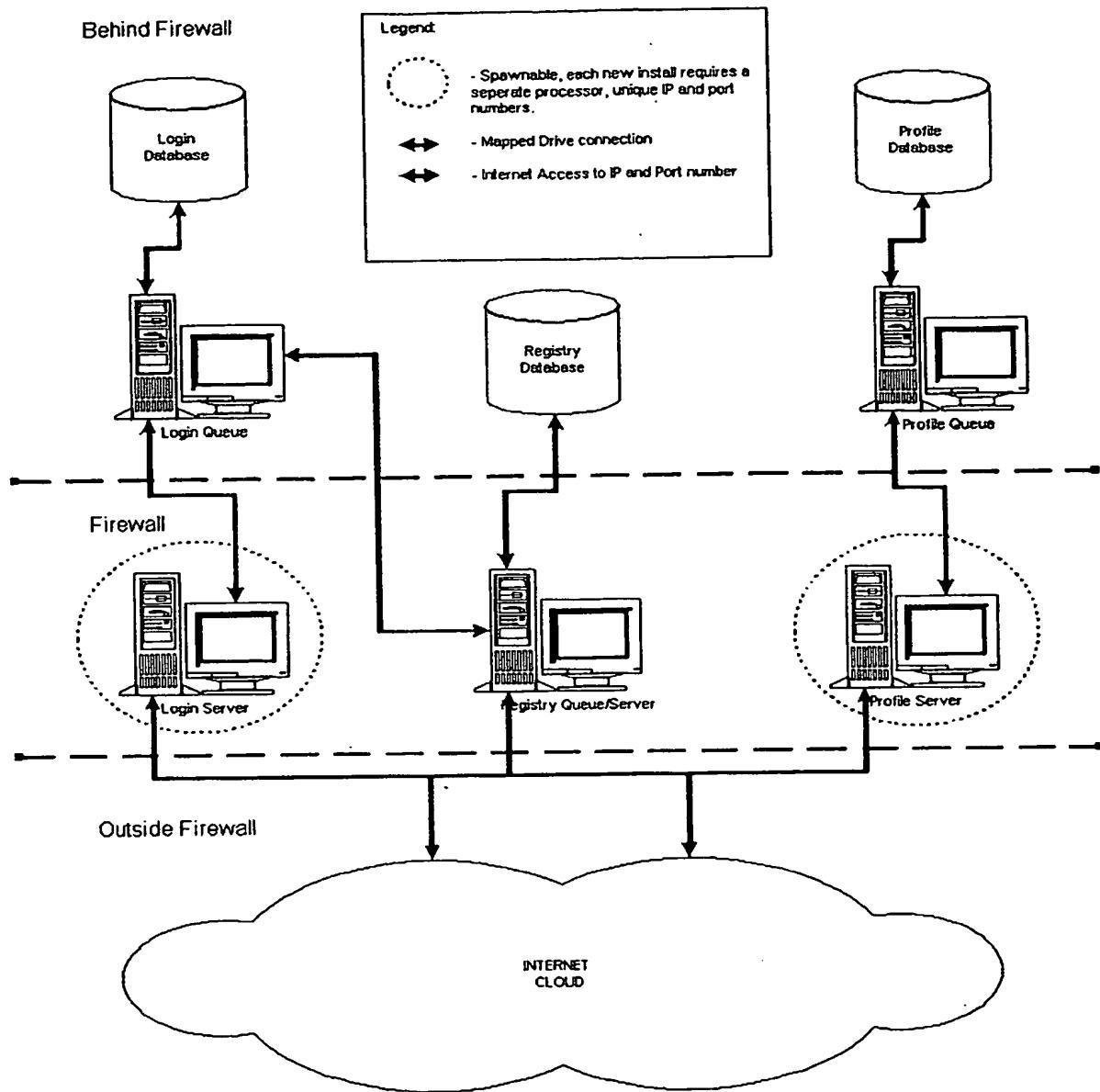


Fig. 48

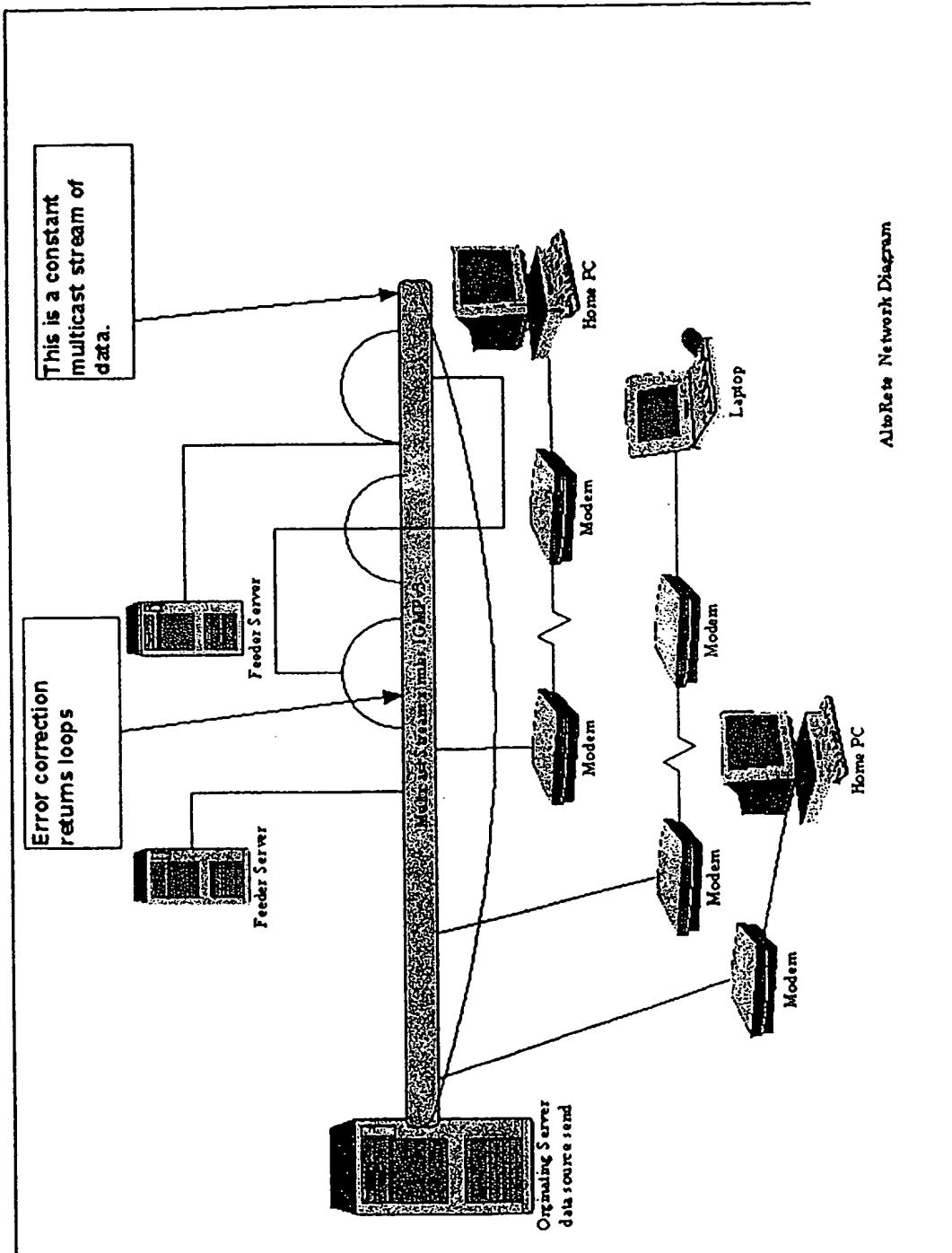


Fig. 49

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